रजिस्ट्री सं० डी-(डी)—73

REGISTERED NO. D-(D)—73

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 6] नई दिल्ली, शनिवार, फरवरी 5, 1977 (माघ 16, 1898)

No. 6] NEW DELHI, SATURDAY, FEBRUARY 5, 1977 (MAGHA 16, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 5th February 1977

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

30th December, 1976

2290/Cal/76. Sri S. R. Misra, New process for convertion of paving grade bitumen as per IS : 73/1961 into industrial Bitumen per IS : 702/1961.

2291/Cal/76. Titan Engineering Company Private Limited. Cryogenic pump for liquified gases.

2292/Cal/76. Metallgesellschaft A.G. Process and feeder for feeding particulate solids into a pressure reactor.

2293/Cal/76. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Open-end spinning apparatus.

2294/Cal/76. British Steel Corporation. Manufacture of metallic strip. (January 14, 1976).

2295/Cal/76. Imperial Chemical Industries Limited. Chlorinated polymers. (February 2, 1976). [Addition to No. 1992/Cal/76].

31st December, 1976

2296/Cal/76. OY Stromberg AB. A method for manufacturing an insulation for high tension devices.

2297/Cal/76. APAW S. A. Liquid mix and pressurized gas feed circuit for ice cream or the like machines.

3rd January, 1977

1/Cal/77. Toth Aluminum Corporation. Improved ore halogenation process.

2/Cal/77. Dunlop Limited. A method of truing a disc wheel. [Divisional date August 31, 1973].

4th January, 1977

3/Cal/77. Shyam Sundar Poddar. Double shank rail spikes for wooden sleepers.

4/Cal/77. Alexandr Vladimirovich Shafranovsky, (2) Viktor Markovich Olevsky, (3) Vladimir Kazimirovich Chubukov and Jury Alexandrovich Baskov. Rotor film mass and heat exchanger.

5/Cal/77. Science Union Et CiE, Societe Francaise DE Recherche Medicale. A process for producing substituted benzhydrols.

6/Cal/77. Hughes Aircraft Company. Digital wristwatch/calculator.

7/Cal/77. Theo Van Der Meulen. Method of and apparatus for controlling a heat transfer plant.

8/Cal/77. Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.h. Improvements in or relating to machine for tamping ballast beneath the sleepers of a railway track.

5th January, 1977

9/Cal/77. Sangit Kumar Mukherjee. Improvements in or relating to audio-visual alarm device.

10/Cal/77. J. W. Rilett. Motors and gas supply apparatus therefor. (January 16, 1976).

APPLICATION FOR PATENTS FILED AT THE

(DELHI BRANCH)

16th December, 1976

59/Del/76. Delhi Cloth & General Mills Co. Limited. Short circuit monitoring system to avoid short circuit and explosion in mercury cells for production of caustic soda plant.

17th December, 1976

60/Del/76. L. B. King. A hollow building block which does not require the use of mortar in the joints.

61/Del/76. D. M. Kale. An improved windscreen and headlamp for a vehicle.

62/Del/76. Council of Scientific and Industrial Research. One litre capacity variable speed mechanically operated extruder for preparation of extrusions of substances like alumina hydrate.

18th December, 1976

63/Del/76. Director General. An apparatus for providing half frame pictures on a normal 35 mm film strip. [Divisional date June 7, 1974].

64/Del/76. Md. F. Dandi. A mechanical pump. [Addition to No. 1930/Cal/75].

65/Del/76. Globe super parts. Improvements in or relating to 'tandoor' or baking oven.

21st December, 1976

66/Del/76. Council of Scientific and Industrial Research. A process for the synthesis of 9-11-seco-estradiol derivatives carrying substituents at position 3 and or 11.

67/Del/76. Council of Scientific and Industrial Research. Isolation of galactose binding proteins by affinity chromatography on guargum after insolubilising the latter.

68/Del/76. Council of Scientific and Industrial Research. A process for removing hexavalent chromium from chrome sludge produced in bichromate plants prior to its disposal.

22nd December 1976

69/Del/76. Council of Scientific and Industrial, Research. An improved and versatile RF induction heater.

70/Del/76. Council of Scientific and Industrial Research. Magnetic particle clutch.

22*nd December*, 1976

71/Del/76. Council of Scientific and Industrial Research. Dezincing of steel scrap by leaching with inhibitor, impregnated acid.

27*th December*, 1976

72/Del/76. M. L. Kuthiala 'Sukhia'. An electric steam cooker.

73/Del/76. Mr. R. Prakash. A firm viewer and a cassette therefor.

29*th December*, 1976

74/Del/76. D. K. Murali. Earthenware aircooler.

75/Del/76. Council of Scientific and Industrial Research. A process for producing precast ferro cement cylinderical units for use in structures like grain storage bins, water tanks, biogas holders and pipes.

76/Del/76. Council of Scientific and Industrial Research. A chemical process for improvements in or relating to the process of reduction of mineral matter in graphite.

77/Del/76. Oil and Natural Gas Commission. Synthesis of inverflo.

APPLICATION FOR PATENTS FILED AT THE

(BOMBAY BRANCH)

20*th December*, 1976

441/Bom/76. V. G. Gadgil. Door aldrop with built in combination lock.

23*rd December*, 1976

442/Bom/76. M/s. Jyoti Limited. A system for generating fluid power.

APPLICATION FOR PATENTS FILED AT THE

(MADRAS BRANCH)

27*th December*, 1976

268/Mas/76. L. Ramani. Improved microporous rubber slab.

269/Mas/76. V. Joshua. A switch.

270/Mas/76. L. N. P. Muthukrishnan and M. Santanakishna. A jet pump.

271/Mas/76. D. S. Sampson. Solid state auto alarm.

31*st December*, 1976

272/Mas/76. B. V. S. Rao. An apparatus for finding constellations and stars visible at any time and date.

ALTERATION OF DATE

141222. 186/Mas/76. } Ante-dated 25th February, 1975.

141241. 1823/Cal/75 } Ante-dated 13th December, 1968.

141262. 515/Cal/75. } The claim to convention date 28th March, 1974 has been abandoned and the application dated as of 15th March, 1975, the date of filling in India.

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification respectively".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 27B. 141214.

Int. Cl-A45f 1/04.

PORTABLE SHELTER.

Applicant & Inventor : JULIUS ROESSI, OF P.O. BOX 433, PORT RICHMOND, STATEN ISLAND, NEW YORK 10302, UNITED STATES OF AMERICA.

Application No. 278/Cal/75 filed February 14, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A portable shelter comprising a center pole, said center pole being provided with a slot extending along its length, a circular header fixed to said center pole, a plurality of outer ribs hingeably extending from said circular header, a first collar slidably movable along said center pole below said circular header, a plurality of expansion ribs hingeably extending from said collar, the other end of each of said expansion ribs being connected to a different one of said outer ribs, a pliant covering over said outer ribs and connected to the ends of said outer ribs; a dome-shaped ventilator cap, a second slidable collar connecting said dome-shaped ventilator cap to said center pole near the top thereof, a rod within said center pole having one end connected via said slot to said second slidable collar and a second end remote therefrom having an extension passing through said slot so that movement of said extension in the direction of the axis of said center pole raises or lowers said dome-shaped ventilator cap; a circular floor, means at the center of said circular floor for supporting said center pole in an upright position, and means disposed along the periphery of said circular floor for engaging the ends of said outer ribs remote from said circular header.

CLASS 85J. 141215.

Int. Cl.-F27d 23/00.

TAPPING GUN.

Applicant : ELKEM-SPIGERVERKET A/S, OF ELKEMHUSET, MIDDELTHUNSGATE 27, OSLO 3, NORWAY.

Inventors : AKSEL ERIK KRISTAINSEN AND THOR PEDERSEN.

Application No. 657/Cal/75 filed April 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A tapping gun for plugging tapping holes in electric smelting furnaces and the like, comprising a tubular gun barrel for receipt of the plugging composition, a piston slidable in the barrel longitudinally thereof, and a nozzle which is hinged to the front of the barrel so as to be pivotable about an axis that is transverse to the longitudinal direction of the barrel.

CLASS 71G. 141216.

Int. Cl.-E02f 5/00.

MOUTHPIECE FOR A SUCTION DREDGER.

Applicant : KONIJN MACHINEBOUW B.V., OF ELECTRONWEG (HN 80), HOORN, THE NETHERLANDS, AND BAGGER—EN CONSTRUCTIEBEDRIJF JOHAN KLIP B.V., OF DORPSSTRAAT 77, BERKENWOUDE, THE NETHERLANDS.

Inventor : JOHAN KLIP.

Application No 859/Cal/75 filed April 28, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

Mouthpiece for a suction dredger, which is adapted to be connected via a suction line to the suction side of a pump and moved by the dredger under water in an approximately horizontal direction, characterised in that it includes an inlet section forwardly situated in the direction of travel, which is open on the underside and which has two rearwardly converging, upwardly extending side plates; a comminuting section connected at the rear of the inlet section and also open on the underside, said comminuting section having an upper cover plate and two side plates, in which latter plates is journalled an approximately horizontal positively driven cutter shaft, on which are mounted a plurality of comminuting members which each include at least one cutting blade and which are uniformly spaced and mutually angularly staggered; and a suction section connected at the rear of the comminuting section and provided with a connection which, in use is coupled to the dredger suction line, said suction section being completely enclosed between the connections to the comminuting section and the dredger suction line.

CLASS 70B. 141217.

Int. Cl-B01k 3/00.

ELECTROLYTIC CELL WITH SOLID ELECTRODES.

Applicant : MIKHAIL ALEXEEVICH MELNIKOV-EIKHENVALD, OF ULITSA VAVILOVA 12, KV. 18, MOSCOW, USSR. (2) ANATOLY FILIPPOVICH ZOLOTOV, OF ULITSA CHUGUNNYE VOROTA 15, KV. 20, MOSCOW, USSR (3) GEORGY MIKIRTYCHEVICH KAMARIAN, OF KOTELNICHESKAYA NABEREZHNAYA 25/8, KV. 45, MOSCOW, USSR, MIKHAIL PETROVICH AKIMKIN, OF VARSHAVSKOE SHOSSEE, 59, KORPUS 2, KV. 71, MOSCOW, USSR. (5) VADIM IPPOLITOVICH DJUMULEN, OF ULITSA PETRA ROMANOVA 14, KV. 35, MOSCOW, USSR, (6) LEONID IVANOVICH JURKOV, OF ULITSA TASHKENTSKAYA 22 KORPUSI, KV. 124, MOSCOW, USSR (7) VLADIMIR LEONIDOVICH KUBASOV, OF KIROVOGRADSKAYA ULITSA 4, KORPUS 2, KV. 135, MOSCOW, USSR.

Application No. 953/Cal/75 filed May 13, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An electrolytic cell with solid electrodes, comprising a housing, anodes and a cathode structure, which constitute the solid electrodes, and a current-conducting base with retaining projections intended for positioning and securing of the anodes, each anode having a dimensionally rigid working part and a current conductor including two flexible plates enveloping the respective one of said retaining projections and secured thereto with fastening means.

CLASS 128F. 141218

Int.Cl.-A61m 5/18, 5/32

HYPODERMIC SYRINGE.

Applicant : KONINKLIJKE EMBALLAGE INDUSTRIE VAN LEER B. V., OF AMS TERDAMSEWEG 206, AMS TELVEEN, THE NETHERLANDS.

Inventor : OSCAR JACQUES VAN LEER.

Application No. 1188/Cal/75 filed June 17, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Hypodermic syringe consisting of a compressible reservoir of a material at least partly consisting of a thermoplastic synthetic material, which reservoir is occupied to a hypodermic needle and of which one wall is movable towards an opposite wall, characterized in that these walls, movable with respect to each other, have a common hinge-point in the manner of a pointed bellows, which walls are coupled with each other and with a third collapsible wall via folding lines acting as hinges, the material of the reservoir being treated such at least on the spot of these folding lines, that it tries to move the mutually movable walls towards each other.

CLASS 98G. 141219.

Int. Cl.-F28d 9/00.

HEAT EXCHANGER FOR COOLING HOT GASES.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventor : PIETER JACOBUS SCHUURMAN.

Application No. 2138/Cal/75 filed November 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A heat exchanger for cooling hot gases, comprising a gas supply space provided with one or more gas supply line, a cooling space provided with one or more gas discharge lines, one or more coolant supply lines and one or more coolant discharge lines, a separating plate which separates the gas supply space from the cooling space and through which one or more gas pipes pass, the inlet ends of which are located in the gas supply space and which are connected through cooling pipes in the cooling space to the gas discharge lines

of the cooling space, the gas pipes in the gas supply space each being surrounded by a cooling jacket which is connected with the separating plate such that the spaces between the gas pipes and the cooling jackets communicate with the coolingspace, while in the gas supply space the ends of the gas pipes are connected to the ends of the cooling jackets and axial tubular conducting bodies are connected with ends of coolant supply lines, which conducting bodies divide the bottom parts of the annular spaces into two parts, which are in open communication with each other near the connections of the inlet ends of the gas pipes to the cooling jackets, and which conducting bodies contain axial annular chambers and, arranged in regular fashion around the inner circumference of the conducting bodies, outflow openings from the chambers.

CLASS 190B. 141220.
Int. Cl.-F02c 7/00.

TURBINE HOUSING.

Applicant : & *Inventor* : WILLIAM EDWARD WOOLENWEBER, FORMERLY OF 5200 SIEGBURG-KALDAUEN, PETERSBURGS TRASSE 13, WEST GERMANY, BUT NOW OF 3905 COVE ROAD, COLUMBUS, INDIANA, UNITED STATES OF AMERICA.

Application No. 2660/Cal/73 filed December 5, 1973.

Convention date December 6, 1972/(56221/72) U.K., (56222/72) U.K. and (56223/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A turbine housing comprising at least two inlets each arranged to receive a flow of fluid, a separate passageway connected to each said inlet, a first of said passageways being arranged to surround at least 160° of a second of said passageways at the termination of said second passageway and a volute section in communication with said passageways, the termination of said second passageway being at or upstream of the start of the volute section of the housing.

CLASS 191. 141221.
Int. Cl.-B41J 1/00, 7/00.

MULTI-PITCH/FACE TYPEWRITER AND THE LIKE.

Applicant & Inventor : DEBAKIRANJAN DUTTA, OF 87 EKDALIA ROAD, CALCUTTA-19, WEST BENGAL, INDIA.

Application No. 844/Cal/74 filed April 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A multi-pitch/face typewriter and the like with type bars—manually or electrically operated—comprising means (No. 2) for moving the paper roller (No. 1) and the telescopic ribbin carrier (Fig. I & III) upward or down ward for typewriting in 'normal' position or 'small' letter position of any one of the two or more languages, styles, sizes/pitches etc., two or more conventional type bodies are soldered or one multi-language type fount or body (Fig. VI) detachably secured in each type bar when typing in 'shaft' position or 'capital' position by moving the 'segment' (No. 3) or vice versa; a detachably mounted unit or type basket housing (Fig. IV), with key tops (No. 5) having scripts for two or more languages; a platen escapement wheel or ratchet wheel (No. 9) with double the number of gear teeth (No. 10) than is required for the smallest size of configurations i.e. size/pitch of script (16 pitch in this example) and pawl or loose dog (No. 7) which normally engages every second tooth gap in relation to the first dog (No. 8) and means for sliding (No. 11) the loose dog or pawl so that it may be adjusted to engage the third or fourth tooth gap, instead of the second tooth gap of the ratchet wheel, during each swinging of the pivotal escapment mechanism (No. 12) thereby providing means to vary or adjust the escapement of the platen to match with 8, 11 or 16 pitch typewriting of vertically or horizontally widened configurations by the rotation of the ratchet wheel for 2, 3 or 4 gear teeth respectively during each swinging of the escapement mechanism (12) in one typewriter and the like as herein described.

CLASS 17D. 141222.
Int. Cl.-A23n 1/00.

AN APPARATUS FOR TAPPING TODDY FROM TODDY YIELDING PLANTS.

Applicant : KRISHNASWAMY NARAYANAN, SPECIAL SECRETARY TO GOVERNMENT OF KERALA, INDUSTRIES DEPARTMENT, GOVERNMENT SECRETARIAT, TRIVANDRUM, KERALA, PULLUKAT THOMAS JOSEPH, DIRECTOR, INDUSTRIAL TESTING AND RESEARCH LABORATORY, TRIVANDRUM-19, KERALA AND HARIHARAN SREEMULA NATHAN, SENIOR SCIENTIFIC OFFICER, INDUSTRIAL TESTING & RESEARCH LABORATORY, TRIVANDRUM-19, KERALA.

Inventor : HARIHARAN SREEMULA NATHAN.

Application No. 186/Mas/76 filed September 17, 1976.

Division of Application No. 188/Mas/73 filed February 25, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

An apparatus for tapping toddy from toddy yielding plants consisting of an adapter comprising a short bent arm, one end of which being split unevently, the other end being vertical to short arm and tapering towards its lower end, the lower end terminating into a screw cap, the said screw cap capable of being screwed on to a container, the said lower end also having a mesh sieve attached thereto, the said adapter being hollow from one end to the other.

CLASS 40F. 141223.
Int. Cl.-G01n 1/00.

AUTOMATED SAMPLE-REAGENT LOADER.

Applicant : UNITED STATES ATOMIC ENERGY COMMISSION, OF WASHINGTON, DISTRICT OF COLUMBIA 20545, UNITED STATES OF AMERICA.

Inventors : CARL ALFRED BURTIS, WAYNE FRANK JOHNSON AND WILLIAM ARTHUR WALKER.

Application No. 692/Cal/74 filed March 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An automatic loader for loading a photometer analyzer rotor provided with a plurality of cavities, comprising a rotor table for holding said rotor at the center thereof during a loading operation; an inner ring provided with a plurality of holes for receiving and holding a plurality of respective reagent cups, said ring adapted to be positioned on said table and encompassing said rotor; and outer ring provided with a plurality of holes for receiving and holding a plurality of respective sample cups, said outer ring adapted to be positioned on said table encompassing said inner ring such that respective pairs of said reagent cups and sample cups are in radial alignment with corresponding cavities in said rotor; a base plate; a pair of horizontal slide rods mounted on said plate; a rotor table support mechanism slidably mounted on said slide rods; a first pipette support member affixed to said base plate; a second pipette support member slidably supported by said first support member to provide slight relative motion there-between; an off-center spring mounted between said second pipette support and said support mechanism to effect said slight motion when said support mechanism is moved from one limit position to another limit position; four vertical slide rods mounted on said support mechanism, each of said vertical slide rods being spaced apart each from the other at a given distance; respective slide members encompassing respective ones of said vertical rods; a respective horizontal bracket member extending between and affixed to respective pairs of said slide members; an L-shaped bracket having a vertical portion and a horizontal portion and being affixed to one of said bracket members; a vertical motion synchronous motor affixed to the vertical portion of said L-shaped bracket, the horizontal portion of said L-shaped bracket supporting said rotor table on the top thereof; a first crank arm coupled between said vertical motion motor and said support mechanism; a first pair of limit switches for sensing the limits of vertical travel of said rotor table; a synchronous table motor mounted beneath the horizontal portion of said L-shaped bracket and supported thereby and

being coupled to said rotor table; a horizontal motion synchronous motor mounted on said base plate; a second crank arm coupled between said horizontal motion motor and said slidable support mechanism; a second pair of limit switches mounted on said first pipette support member for sensing the limits of horizontal travel of said table support mechanism; a plurality of indexing notches provided in the underside of said rotor table; an indexing switch for sequentially engaging each of said notches during said loading operation; a pair of automatic pipettes coupled to respective ones of said pipette supports; electrical control means mounted on said base plate; said control means being provided with a RUN/RESET switch and a START switch, whereby said control means under control of said switches is adapted to effect the bringing of the table and one of said sample cups and one of said reagent cups underneath the pipette tips, effect the bringing of these ring cups to said tips by upward table movement, effect the drawing of liquids from said cups by said automatic pipettes, effect the bringing of said ring cups and table down, effect the movement of the table horizontally over to bring the rotor cavities under said tips followed by an upward movement of said table to bring said cavities to said tips, and effect the dispensing of said drawn liquids into said cavities by said automatic pipettes after which said table is brought down, effect the rotating of said table to its next indexed position and sequentially effecting a repetition of the above procedure until all of the rotor cavities are filled.

CLASS 47C. 141224.
Int.Cl.-C10b 39/08.

PROCESS FOR THE QUENCHING OF HOT COKE DISCHARGED FROM A COKING OVEN.

Applicant : DR. C. OTTO & COMP. GMBH., OF BOCHUM, WEST GERMANY.

Inventors : ERICH SCHOEN, AND DR. ING. ROIF ROSSOW.

Application No.937/Cal/74 filed April 24, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

3 Claims.

A process for the quenching of hot coke discharged from a coking oven and deposited onto a loading surface by means of a spraying device disposed in the lower region of a stack forming a quenching tower, characterised in that the quantity of liquid supplied by the device increases progressively from the commencement of quenching to a predetermined maximum maintained for the remainder of quenching.

CLASS 170B. 141225.
Int. Cl.-C09k 1/18.

LIQUID ABRASIVE COMPOSITIONS.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : GEORGE GEOFFREY RAYNER.

Application No. 1436/Cal/74 filed June 27, 1974.

Convention date July 6, 1973/(32367/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims. No drawings.

A liquid abrasive composition comprising an aqueous suspension of a substantially water-insoluble particulate abrasive, a nonionic surfactant and a suspending agent selected from natural and synthetic clays, hydrophobically treated clays, fumed silica, magnesium montmorillonite, and complex magnesium aluminium silicates.

CLASS 90-1. 141226.
Int. Cl.-C03b 37/02.

METHOD FOR PRODUCING GLASS FIBRE PRODUCT.

Applicant : FIBREGLASS LIMITED, OF PRESCOT ROAD, ST. HELENS, LANCASHIRE, ENGLAND.

Inventor : RONALD JAMES ASHALL.

Application No. 1490/Cal/74 filed July 3, 1974.

Convention date July 18, 1973/(34199/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

In a method for producing a glass fibre product which includes the steps of flowing a plurality of streams of molten glass, attenuating the streams to a desired fibre diameter by means of a high velocity gaseous blast, treating the fibres with a binder composition containing an A stage phenol-aldehyde condensate such as herein described as resin formed in the presence of an alkaline catalyst such as herein described projecting the fibres onto a conveyor, conveying the binder coated fibres through a curing stage the cured binder bonding the fibres to one another at points of contact, the improvement that an acidic lingosulphonate is used to neutralise the alkaline catalyst.

CLASS 32F$_{20}$. 141227.
Int. Cl.-C07c 127/00.

PROCESS FOR PREPARING UREA FROM AMMONIA AND CARBON DIOXIDE.

Applicant : UNIE VAN KUNSTMESTFABRIEKEN B.V., OF UTRECHT, MALIEBAAN 81, THE NETHERLANDS.

Inventors : JOHANNES DIEUDONNE MARIA VERSTEGEN AND PETRUS JOHANNES CORNELIS KAASENBROOD.

Application No. 1573/Cal/74 filed July 15, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for preparing urea in which ammonia and carbon dioxide are reacted in a reaction zone containing a stripping zone for the reaction products which is substantially isobaric with, and in heat-exchange relationship through one or more surfaces with the reaction zone, in which stripping zone ammonium carbamate present in the reaction product solution is decomposed and the decomposition products are expelled with gaseous carbon dioxide, ammonia, inert gas or a mixture of at least two thereof; wherein

(a) the reaction zone is maintained at a temperature of from 210° to 245°C;

(b) the reaction zone is maintained at a pressure of from 250 to 600 atmospheres;

(c) the gross molar NH_3/CO_2 ratio in the liquid phase in the reaction zone is between 2.5 and 8, and

(d) at least part of the gas mixture discharged from the stripping zone is introduced into the bottom part of the reaction zone.

CLASS 55F & 123. 141228.
Int. Cl.-A01c 15/00.

A METHOD OF PRODUCING A DUST DILUENT OR CARRIER FROM ANHYDROUS OR HYDRATED CALCIUM SULFATE IN GRANULAR OR POWDER FORM.

Applicant & Inventor : BRUNO FABBIAN, OF ASIGLANO VENETO, VICENZA, VIA XI FEBBRAIO, 27fl ITALY.

Application No. 1637/Cal/74 filed July 23, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A method of producing a dust diluent or carrier from anhydrous or hydrated calcium sulfate, in granular or powder form, comprising the steps of baking a mineral consisting essentially of calcium sulfate at a temperature between 120°—1000°C to produce baked products adding water to disperse or dissolve said baked products and allowing settling to occur, adding a substance which is a double sulfate of aluminium and potassium, a non-ionic, an anionic or cationic surface active agent, carboxymethylcellulose, urea, a glycol, hexamethylene-tetramine, sodium bisulfate dihydrate, polyvinyl acetate, polyvinyl chloride, monobasic calcium phosphate, a polymerized vegetable adhesive, or a polymerized vegetable oil, drying, pelletizing or grinding so as to obtain a product in granular or powder form having essentially no acidic centres, no surface catalytic activity and no cationic exchange activity.

CLASS 33D & F & 98F. 141229.

Int. Cl.-B22d 7/06, C04b 35/10, 35/16, 43/02.

SHAPED ARTICLES AND METHOD FOR THE PRODUCTION THEREOF.

Applicant : FOSECO INTERNATIONAL LIMITED, OF LONG ACRE, NECHELIS, BRIMINGHAM, B7 5JR, ENGLAND.

Inventor : DAVID JOHN ANDERSON.

Application No. 2179/Cal/74 filed September 27, 1974.

Convention date September 28, 1975/(45500/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims, No drawings.

A method for the production of shape articles of inorganic fibre-containing refractory heat-insulating composition which comprises mixing together a granular or powdered refractory material such as herein described inorganic fibres selected at least in part from refractory oxide, fibres, sarbon fibres and metal fibres such as herein described an amount of a foaming agent such as herein described sullicient to cause the composition to foam during the mixing operation and a binding agent such as herein described forming the composition to the desired shape, causing or allowing the binding agent to set or harden, and drying the shape.

CLASS 32F2a & 182C. 141230.

Int. Cl.-C13k 100, C13k 9/00.

A METHOD OF PREPARING AN ETHERCALLY SUBSTITUTED MONOSACCHARIDE.

Applicant : STRATEGIC MEDICAL RESEARCH CORP., OF 1655, WEST JACKSON BLVD., CHICAGO, ILLINOIS 60612, UNITED STATES OF AMERICA.

Inventor : PAUL GORDON.

Application No. 2430/Cal/74 filed November 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method of preparing an etherally substituted monosaccharide comprising the steps of reacting

(1) a monosaccharide derivative having the general formula S-*O*-H, wherein O is oxygen, H is hydrogen and S is the residue of a monosaccharide selected from the group consisting of pentoses, hexoses and heptoses which has been derivatized with at least one substance selected from the group consisting of at least one aliphatic alcohol containing 1-18 carbon atoms to produce a hydrolyzable acetal group at the site of at least one available hydroxyl residue, at least one aldehyde containing 1-18 carbon atoms to produce at least one hydrolyzable acetal group at the site of at least one available hydroxyl residue, at least one ketone containing 1-18 carbon atoms to produce at least one hydrolyzable ketal group at the site of at least one available hydroxyl residue, and at least one organic acid residue containing 1-18 carbon atoms to produce a hydrolyzable ester group at the site of at least one available hydroxylresidue, with

(2) an organic halide having the general formula Y—X, wherein X is selected from the group consisting of chlorine, bromine and iodine and Y is selected from the group consisting of cylic monovalent nitrogen containing organic radicals and residua, and monovalent organic radicals and resudia having the general formula R_1-B wherein B is selected from the group consisting of -N-R_3, -0-R_4 and -S-R_4, R_1 is a

divalent organic radical having a linear carbon chain length of about 1-7 carbon atoms, R_3 and R_5 are selected from the group consisting of -H, -OH, -SH, halogen and monovalent organic radicals and residua having a linear carbon chain length of about 1-7 carbon atoms, R_4 is selected from the group consisting of -H and monovalent organic radicals and residua having a linear carbon chain length of about 1-7 carbon atoms, N is nitrogen, O is oxygen, S is sulfur and H is hydrogen, to produce an etherally substituted monosaccharide derivative having the general formula S-O-Y wherein S, Y and O are as above defined,

the said monosaccharide derivative (1) and the said organic halide (2) being reacted at an elevated reaction temperature while dissolved in a substantially anhydrous organic solvent in the presence of a solid substantially anhydrous strong inorganic base of a metal selected from the group consisting of the alkali metals and the alkaline earth metals,

separating in known manner such as herein described the said etherally substituted monosaccharide derivative having the general formula S-*O*-Y from the reaction mixture, and

removing at least one but not all of said acetal, ketal or ester groups from S by hydrolysis in an acidic aqueous medium having a pH value less than 7 to produce an etherally substituted monosaccharide having the general formulus S-*O*-Y, wherein O and Y are as above defined and S is the residue of a monosaccharide as above defined with at least one but not all of said acetal, ketal or ester groups being removed therefrom.

CLASS 107H & 190B. 141231.

Int. Cl.-F02k 5/00, F02n 11/00.

INTERNAL COMBUSTION ENGINE SUPERCHARGED BY A TURBOCOMPRESSOR UNIT.

Applicant : ETAT FRANCAIS REPRESENTE PAR LE MINISTRE D'ETAT CHARGE DE LA DEFENSE NATIONALE DELEGATION MINISTERIELLE POUR L'ARMEMENT DIRECTION TECHNIQUE DES ARMEMENTS TERRESTRES ATELIERS DE CONSTRUCTION D'ISSY-DES-MOULINEAUX, OF 4, AVENUE DE LA PORTE D'ISSY 75—PARIS (15E), FRANCE.

Inventor : JEAN MELCHIOR.

Application No. 202/Cal/74 filed January 30, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

Internal combustion engine, especially a diesel engine, equipped with a turbocompressor unit with a combustion chamber upstream of the turbine, said engine comprising a by-pass duct enabling direct and permanent passage between the outlet of the compressor of the turbocompressor unit and said combustion chamber, comprising in addition, for the starting of its turbocompressor unit, a starting device comprising pressure difference generating means positioned in the midst of the air-flow between the compressor and the turbine and arranged to create a flow in the direction of the turbine of the turbocompressor unit.

CLASS 127A & 195C. 141232.

Int. Cl.-F16k 31/00, F16d 11/00.

A DRIVE MECHANISM FOR AN ACTUATOR.

Applicant : ROTORK LIMITED, OF BRASSMILL LANE, LOWER WESTON, BATH, SOMERSET, ENGLAND.

Inventor : JEREMY JOSEPH FRY.

Application No. 1290/Cal/74 filed June 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A drive mechanism for an actuator comprising an output shaft, power means for rotating the output shaft, and means for manually rotating the output shaft, an annular cluth member non-rotatably mounted on the output shaft and slidable axially thereon for operably connecting the output shaft to said manually rotating means and said power means, a clutch actuator engaging said clutch member, resilient means for urging the clutch member away from the manually rotating means, said clutch actuator being rotatable about an axis which is perpendicular to the axis of the clutch member for moving said clutch member axially against said resilient means for operably connecting the output shaft to the manually rotating means, one of the engaging surfaces of the clutch member and clutch actuator being shaped as a cam surface sloping towards the axis of the shaft whereby the force exerted on the clutch member against said resilient means by the cluth actuator as it is rotated is applied at a constant angle relative to the centre line of the clutch member, the mechanism being so arranged that the line of action of the force always intersects the shaft surface within the length of its interface with the clutch member.

CLASS 24A & 127E & 195C. 141233.

Int. Cl.-F16k 31/00.

MOTOR OPERATED VALVE WITH TORQUE LIMITING BRAKE.

Applicant : ROTORK LIMITED, OF BRASSMILL LANE, LOWER WESTON, BATH, SOMERSET, ENGLAND.

Inventor : DONALD LIONEL HORE.

Application No. 1790/Cal/74 filed August 9, 1974.

Convention date August 10, 1973/(38072/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A motor driven actuating mechanism comprising a worm and wormwheel in which the worm shaft is movable in an axial direction against a spring, in response to torque reaction and the movement of the shaft is utilised to de-energise the drive motor, wherein a brake disc is attached to the worm shaft and is adapted to be brought into engagement with a brake pad when the shaft deflection exceeds a predetermined value in either direction.

CLASS 32D & F$_3$a. 141234.

Int. Cl.-C08g 51/04.

A PROCESS FOR THE PREPARATION OF POLY-N-HYDROCARBYLIMINOALANES.

Applicant : SNAMPROGETTI S.P.A., OF 16, CORSO VENEZIA, MILAN, ITALY.

Inventors : SALVATORE CUCINELLA, GIOVANNI DOZZI AND ALESSANDRO MAZZEI.

Application No. 2530/Cal/74 filed November 18 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the preparation of poly-N-hydrocarbyl-iminoalanes containing repeating units of the formuna -AP-N-
H R

where R is an aliphatic, cycloaliphatic or aromatic hydrocarbon radical, which process comprises reacting an alkali metal alanate or alkaline earth metal alanate with a primary amine in free form in the presence of a hydrocarbon solvent selected from aliphatic, cycloaliphatic and aromatic hydrocarbons.

CLASS 32F$_1$ & F$_3$a & 60X$_2$d. 141235.

Int.-Cl.-C07c 91/04.

PROCESS FOR THE MANUFACTURE OF ALKANOLAMINE DERIVATIVES.

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S.W. 1P 3JF, ENGLAND.

Inventor : LESLIE HAROLD SMITH.

Application No. 2679/Cal/74 filed December 4, 1974.

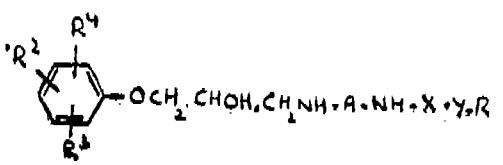
Convention date December 12, 1973/(57517/73) U.K.

Addition to No. 2664/Cal/73.

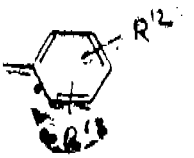
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the manufacture of an alkanolamine derivative of the formula I.



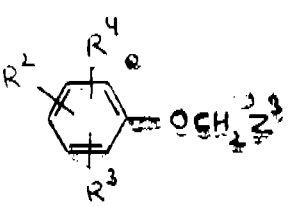
wherein A stands for an alkylene radical of from 2 to 12 carbon atoms; wherein R^1 stands for the hydrogen atom or for an alkyl, halogenoalkyl, alkenyl or cycloalkyl radical each of up to 10 carbon atoms, or for an aryl radical of the formula II,



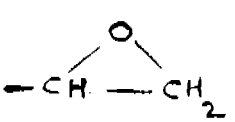
wherein R^2, R^3, R^{12} and R^{13}, which may be the same or different, each stands for a hydrogen or halogen atom, a hydroxy, amino, nitro or cyano radical, an alkyl, cycloalkyl, alkenyl, alkynyl, alkoxy, alkylthio, cycloalkoxy, alkenyloxy, alkynyloxy or alkanoyl radical each of up to 6 carbon atoms, or an aryl, aryloxy or aralkoxy radical each of up to 12 carbon atoms; or wherein R^{12} and R^{13} together form the trimethylene, tetramethylene 1-oxotetramethylene, propenylene, but-2-enylene or buta-1, 3-dienylene radical such that together with the adjacent benzene ring they form respectively the indanyl, 5, 6, 7, 8-tetrahydronaphthyl, 5-oxo-5, 6, 7, 8-tetrahydronaphyl, indenyl, 5, 8-dihydronaphthyl or naphthyl radical; wherein R^4 stands for a radical of the formula :—

$R^{15}R^{16}$ N-CO-Q-
$R^{15}R^{16}$N-CO-NH-Q-
$R^{15}R^{16}$N-CO-Q^1-Q-
or R^{16}X-NR^{15}-Q-

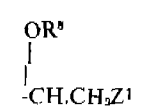
wherein Q stands for a direct link or for an alkylene or alkenylene alkenylene radical each of up to 6 carbon atoms; wherein Q^1 stands for an alkylene radical of up to 6 carbon atoms; wherein R^{15} stands for the hydrogen atom or for an alkyl radical of up to 6 carbon atoms; wherein R^{16} stands for the hydrogen atom, or for an alkenyl, cycloalkyl, hydroxyalkyl or alkoxyalkyl radicall each of up to 6 carbon atoms, or for analkyl, aryl, aralkyl or aralkenyl radical each of up to 10 carbon atoms; wherein X stands for the carbonyl (-CO-) or sulphonyl (-SO_2-) radical and wherein Y stands for a direct link, or for an alkylene, oxyalkylene or alkyleneoxy radical each of up to 6 carbon atoms, or for the amino (-NH-) radical, or for an alkylimino, iminoalkylene, iminoalkyleneoxy or iminoalkylene-carbonyloxy radical each of up to 6 carbon atoms, or (except when R^1 stands for the hydrogen atom) for the oxygen atom; or an acid-addition salt thereof, characterised by the reaction of a compound of the formula VII.



wherein R^2 R^3 and R^4 have the meanings stated above and wherein Z^3 stands for the group of the formula VIII.



or the group



wherein R^3 stands for hydrogen or for a protecting group such as herein described and wherein Z^1 stands for a displaceable radical such as herein described, or which may be, when R^5 stands for hydrogen, a mixture of such compounds wherein Z^3 has both meanings stated above, with an amine of the formula :—

HNR^6-A-NR^7-X-Y-R^1

wherein A, R^1, X and Y have the meanings, stated above and wherein R^6 and R^7, which may be the same or different, each stands for hydrogen or for a protecting group such as herein described; whereafter if one or more of R^5, R^6 and R^7 stands for a protecting group, the one or more protecting groups are removed in a known manner; and whereafter if desired

(a) a compound wherein one or more of R^1, R^3, R^{10} and R^{13} stands for an α-arylalkoxy radical may be converted into the corresponding compound wherein one or more of R^1, R^3, R^{10} and R^{13} stands for the hydroxy radical by hydrogenolysis; and

(b) an alkanolamine derivative in free base form may be converted into an acid addition-salt thereof by reaction with an acid.

CLASS 32F, & F_5b. 141236.

Int. Cl.-C07c 125/04.

PROCESS FOR THE PREPARATION OF CARBAMATE COMPONDS BY REACTION BETWEN ISOCYANATE AND HYDROXY-SUBSTITUTED ORGANIC COMPOUNDS.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventor : DAVID WAMPLER PECK.

Application No. 2860/Cal/74 filed December 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims. No drawings

In a method of producing carbamate compounds by reacting an organic compound such as herein described having one or more isocyanate groups with an organic compound such as herein described having one or more hydroxyl groups the improvement which comprises conducting the said reaction in the presence of an ion exchange resin having either or both non-heterocyclic aromatic tertiary amino functional groups and quaternary ammonium functional groups in the hydroxide form.

CLASS 160D. 141237.

Int. Cl.-B60b 35/00.

IMPPROVEMENTS IN MOTOR VEHICLE AXLES AND METHOD OF CONSTRUCTING SUCH AXLES.

Applicant : DANA CORPORATION, OF 4500 DORR STREET, CITY OF TOLEDO, STATE OF OHIO, UNITED SATES OF AMERICA.

Inventors : RONALD EARL BOLLET AND CARL DAVID OSENBAUGH.

Application No. 12/Cal/75 filed January 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A motor vehicle axle of the type including a differential housing and a pair of axle tubes extending therefrom, in which the housing is a one-piece casting of a lightweight metal and includes an input shaft receiving portion and a pair of trunnion flanges, a sleeve is positioned within at least one of the trunnion flanges and is held captive within the trunnion flange, and an axle tube is positioned within the sleeve in axially overlapping relationship therewith and is secured thereto.

CLASS 39L & 40F. 141238.

Int. Cl.-C01f 11/04, B01j 6/00.

PROCESS AND APPARATUS FOR CALCINNING PELLET-SHAPED CALCIUM HYDROXIDE.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT/MAIN-80 FEDERAL REPUBLIC OF GERMANY.

Inventors : JOACHIM STENDEL, WILHELM PORTZ, GEORG STRAUSS, HEINRICH WEILER, MOORMANN AND HORST WITT.

Application No. 211/Cal/75 filed February 4, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

A process for calcining pellet-shaped calcium hydroxide forming part of the mixture of flux and ores in electrothermanl calcium carbide furnaces, the pellets being made by granulating or briquetting moist calcium hydroxide, being delivered to a sintering grate and being conveyed thereon through a heating zone, wherein high temperatures are produced by the combustion of gas, above the grate, and wherein the combustion gas is exhausted, below the grate, which process comprises placing the calcium hydroxide pellets on to the grate, covering them with a layer of broken limestone and directly conveying theu ndried points through the heating zone.

CLASS $32F_2c$ & 55D. 141239.

Int. Cl.-C07c 127/00.

METHOD OF PRODUCING BIOLOGICALLY ACTIVE CARBAMATE OR UREA COMPOSITIONS.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors : JOHN KAI-FAI CHAN, ERICH TOBLER AND EDMOND JOHNSON

Application No. 1437/Cal/75 filed July 23, 1975.

Appropriate office for opposition Prroceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims. No drawings

In a process for the production of carbamate or urea compositions by the reaction of an organic isocyanate composition and an organic active hydrogen containing compound such as herein before described the improvement which comprises conducting such reaction in the presence of inert solid granular material such as hereinbefore described.

CLASS 32C & $60X_2d$. 141240.

Int. Cl.-C07g 3/00.

A PROCESS FOR THE PRODUCTION OF SPERMICIDAL SAPONINS FROM PLANTS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : HARI SHANKER GARG, BACHU SREENIVASULU SETTY, VED PRAKASH KAMBOJ AND NANDOO MAL KHANNA.

Application No. 1481/Cal/75 filed July 29, 1975.

Appropriate office for opposition Prroceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims. No drawings.

A process for the production in a stable, solid, non-hygroscopic form of such saponins which show spermicidal activity in human semen and incorporate in their molecule a hederagenin, bassic acid or oleanolic acid aglycone from such saponin bearing plants e.g. *Sapindus mukorosli Gaertn., Sapindus trifoliatus Linn. Madhuca butyraceae, Trignonella Funeumgracecum, Blighia sapida, Ardisia Nerlifolia Wahl., Caltha Palustris Linn., Schlefflera Capltata Harms., Pittosporum Nlghrense* W and A, *Samena Saman* by extraction of the dry plant material with a C_1 to C_4 alkyl alcohol containing more than five per cent water, volume/volume at room temperature, concentration of the alcoholic extract and maceration of the residual mass with a mixture of C_1 to C_4 - alkyl alcohol and a C_4 to C_6 alkyl ether followed by decantation to separate the aqueous syrupy mass and removal of the mixture of C_1 to C_4 alkyl alcohol and C_4 to C_6 alkyl ether from the decanted liquid to give the saponin or the mixture of saponins which are also termed as total saponins.

CLASS $32F_{20}$ & 55E & $60X_2d$. 141241.

Int. Cl-C07c 87/62.

A PROCESS FOR THE MANUFACTURE OF 1-ACYLAMINO-PHENOXY-3-AMINO-2-PROPANOL DERIVATIVES.

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, SW. 1., ENGLAND.

(12)

In page 73, column 1, against No. 141055, in Applicant—
insert JAPAN after the word TOKYO.

(13)

In page 81, column 2, line 1, against No. 141088—
for Class 14A
read Class $14A_5$

(14)

In page 82, column 1, line 2, against No. 141090—
for Int. Cl. D29b
read Int. Cl. B29b

(15)

In page 85, column 2, under the heading "PRINTED SPECIFICATION PUBLISHED"—
In group 1, line 4—
for 131779
read 131778.

(5)

In the Gazette of India, Part III, Section 2, dated 22nd January, 1977 under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 103, column 1, line 6, against No. 141114—
for 441117
read 44117

(2)

In page 103, column 1, line 10, against No. 141115—
for REMESH
read RAMESH

(3)

In page 106, column 1, line 10, against No. 141131—
for Patent Office, Calcutta.
read Patent Office, Bombay Branch.

(4)

In page 106, column 2, line 2, against No. 141132—
for Patent Office, Calcutta
read Patent Office, Bombay Branch.

(5)

In page 108, column 2, line 10, against No. 141142—
for REZAUD
read REZAUL

(6)

In page 109, column 2, line 1, against No. 141148—
for Class $32F_{ar}$
read Class $32F_{5}a$

(7)

In page 112, column 1, line 10, against No. 141156—
for KAPPACANTULA
read KAPPAGANTULA
And
for Application No. 190/Cal74
read Application No. 190/Cal/74

(8)

In page 112, column 2, line 6, against No. 141157—
for 14 MASJID..
read 44 MASJID..

(6)

In the Gazette of India, Part III, Section 2 dated the 22nd January, 1977 under the heading "Name Index"—

at page 127, column 1
For heading "Name Index of applicants"
read Name Index of applicants for Patents.
For Cassella Farbwerke Manikur Aktiengesellschaft
read Cassella Farbwerke Mainkur Aktiengesellschaft.

at page 128, column 1
Against Mair, H. J.—*for* No. 2219/Cal/76
read No. 2119/Cal/76

at page 128, Column 2
for Quaker Ooats Co., The—
read Quaker Oats Co., The.

at page 129, Column 2
For Vesesojuzny Nauchno-Issledovatelky Institut Legkogo I—Textilnogo Mashinostroenia
read Vsesojuzny Nauchno-Issledovatelsky Institut Legkogo I—Textilnogo Mashinostroenia.

(7)

In the Gazette of India, Part III, Section 2, dated 29th January, 1977 under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 133, column 1, line 12, against No. 126195—
for Patent office, Calcutta.
read Patent Office, Bombay Branch.

(2)

In page 134, column 1, line 1, against No. 141163—
for Class $32F_{5}a$ & $55E_{1}$
read Class $32F_{8a}$ & $55E_{4}$

(3)

In page 135, column 1, line 7, against No. 141165—
for NEY JERSEY
read NEW JERSEY

(4)

In page 137, column 2, line 2, against No. 141178—
for Int. Cl.-$A23_{n}$ 900
read Int. Cl.-A23n 9/00

(5)

In page 139, column 1, line 3, against No. 141187—
for STRENGTHEN
read STRENGTHENING

(6)

In page 139, column 2, line 1, against No. 141189—
for Class 83 & $83B_{s}$
read Class $83B_{s}$

(7)

In page 144, column 1, line 1, against No. 141210—
for Class 14C & 41 & 152F
read Class 14C & D1 & 152F

(8)

In page 145, column 1, under the heading "PRINTED SPECIFICATIONS PUBLISHED", in group 2, line 1—
for 68709
read 86709

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

17th February 1977

229/Cal/77. Beecham Group Limited. Analgesic and anti-inflammatory compositions. (February 20, 1976).

230/Cal/77. AMSTED Industries Incorporated. Coupler knuckle contour.

231/Cal/77. Union Carbide Corporation. Discrete anode bodies for use in various cylindrical cell systems.

232/Cal/77. Union Carbide Corporation. Cathode or cathode collector arcuate bodies for use in various cell systems.

233/Cal/77. UOP Inc. Alkylaromatic hydrocarbon dehydrogenation process.

234/Cal/77. Chisso Corporation. Method for producing vinyl chloride polymers.

235/Cal/77. Chinoin Gyogyszer Es Vegyeszeti Termekek Gyara Rt. A process for preparation of new amino acid derivatives. [Divisional date April 26, 1975].

18th February 1977

236/Cal/77, Kanebo Ltd. Novel, transient pro-drug forms of xanthine derivatives.

237/Cal/77. Wasagchemie GMBH. A process for the separation and purification of 4-N-acetylaminobenzene sulphochloride. (March 11, 1976).

238/Cal/77. Luigi Stoppani DI P. Stoppani & C. SOC. COLL. A method for decontaminating waste material from chromium mineral processing by wet treatment with sulphur.

239/Cal/77. S. K. Bain. A collapsible module.

240/Cal/77. Refuse Derived Fuels (London) Limited. Treatment of waste.

241/Cal/77. O. Rasmussen. Method for protecting ships against fouling.

242/Cal/77. Hazemeijer B. V. Vacuum switch and electromagnetic coil assembly therefor.

243/Cal/77. Etablissement Chemiaro. Process for manufacturing protein-containing artificial leather.

244/Cal/77. Tractel Tirfor India Private Limited. Improved ratchet & Pawl arrangement used for load reversing in pulling & lifting machine.

19th February 1977

245/Cal/77. Sri Bidhubhusan Chakravarty and Kumari Mala Chakravarty. One pair of set squares one 60°, 30° and the other 45° with one semicircular disc with necessary inscriptions for the purpose of trigonometrical use.

246/Cal/77. R. N. Singh. Tooth-brush device. [Ante-dated to 20th January 1977].

247/Cal/77. Carrier Corporation. Centrifugal compressor.

248/Cal/77. Imperial Chemical Industries Limited. Treatment of liquids involving gas separation. (February 27, 1976).

249/Cal/77. Smith Kline & French Laboratories Limited. Pharmacologically active compounds. (March 11, 1976).

250/Cal/77. Yakutsky Nauchno-Issledocvatelsky I Proektny Institut Almazodobyvajuschei Promyshlennosti "Yamutniiproalmaz" and Leningradskoe Nauchno-Proizvodstvennoe Obiedinenie "Burevestnik". Ore separator.

251/Cal/77. Bharat Heavy Electrical Limited. A flowmeter.

252/Cal/77. Stotz & Co. Ag. Process for producing a cut textile part with stiffening varying over its area.

253/Cal/77. Poseco Trading A.G. Roof or wall systems for heat enclosures. (February 21, 1976) [Addition to No. 131053].

254/Cal/77. Greaves Fosecо Limited. A method of reconditioning eroded bottom plates. [Divisional date December 3, 1974].

255/Cal/77. S. K. Guin. Pneumatic door-closure-simplified.

21st February 1977

256/Cal/77. Gopisankar Bhattacharjee. Improvement in the process of an means for acid and alkali resistant, spark proof, glass lined ordinary grade cast iron valves or vats.

257/Cal/77. Beloit Corporation. Device for and method of temporarily sealing and supporting shafts.

258/Cal/77. Gennady Alexeevich Bulychev, (2) Anatoly Vladimirovich Bykovsky, (3) Stanislav Pavlovich Machigin and Konstantin Sergeevich Strelkov. Device for suspension of aircraft model in wind tunnel.

22nd February 1977

259/Cal/77. Siemens Aktiengesellschaft. Fusible electrical conductors.

260/Cal/77. Savio & C. S.p.A. A device for controlling the tension of yarn unwinding from a yarn supporting body.

261/Cal/77. Lagrand S. A. Cutting pliers.

262/Cal/77. Stamicarbon B. V. Process for preparing cyclohexanone and/or cyclohexanol.

263/Cal/77. UOP Inc. Hydrocarbon conversion process and catalytic composite for use therein.

264/Cal/77. Lucas Industries Limited. Rotary electric machine and method of manufacturing thereof. (April 27, 1976).

23rd February 1977

265/Cal/77. Bimal Chandra Bhattacharyya. Improvements in or relating to gobar gas or biogas plant.

266/Cal/77. Siemens Aktiengesellschaft. Fusible electrical conductors.

267/Cal/77. The Air Preheater Company, Inc. Annular lens cleaner.

268/Cal/77. Bristol-Myers Company. Process for the preparation of novel α-formyl-α- (p-acyloxy phenyl) acetamidocephalosporanic acids. [Divisional date May 24, 1975].

269/Cal/77. Sterling Drug. Inc. Preparation of aminocyclitol antibiotics. [Divisional date February 10, 1976].

270/Cal/77. N. V. Philips' Gloeilampenfabrieken. Orthocyclic coil.

271/Cal/77. Gulf Research and Development Company. Combating insects and mites with 1-carbamyl-4H-1, 2, 4-triazolin-5-ones and thiones.

272/Cal/77. FSC Industries, Inc. Compositions and method for degreasing substrates.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

31st January 1977

45/Bom/77. Shri S. S. Engineer. Improvements in and relating to straddle carrier for babies.

46/Bom/77. P. P. Chouhan. The Aqua-Vitriol Racemiser.

47/Bom/77. The Director, Indian Institute of Technology, Dr. D. L. Roy and Shri P. L. N. Reddy. Electrodeposition of battery grade MnO_2 on magnetite anodes.

48/Bom/77. D. S. Mehta and J. B. Chemicals & Pharmaceuticals Private Limited. Disposable plastic cartridge for an inhaler.

49/Bom/77. A. H. Makhija and M. H. Makhija. Concrete/Asphalt cutting machine powered either by diesel engine or electric motor.

2nd February 1977

50/Bom/77. Shri G. A. Utturakar. Assy. home instrument.

51/Bom/77. R. S. Iyer. Vacuumised kitchen wire.

3rd February 1977

52/Bom/77. G. B. Radhakrishnani. Centrifugal humidifier.

52/Bom/77. G. C. Waghmare. Improvement in or relating to foot wear.

5th February 1977

54/Bom/77. The Associated Cement Companies Limited. Improvement in or relating to system for heat hardening of agglomerates.

55/Bom/77. The Associated Cement Companies Limited. A system for heat hardening of agglomerates.

56/Bom/77. ACE Industrial Corporation. A reclosable press-lock lid and the collapsible recloseable composite container made therewith.

57/Bom/77. Larsen & Toubro Limited. A circuit for use in high current a.c. applications.

58/Bom/77. C. Bhaskaran. A novel fire extinguisher gun monitor.

7th February 1977

59/Bom/77. Bharat International Plastics. A game for exercise and recreation.

9th February 1977

60/Bom/77. Mrs. Usha Kishore Asar. A table game of miniature cricket.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

9th February 1977

33/Mas/77. Bharat Heavy Plate & Vessels Limited. A new semi automatic method of welding.

14th February 1977

34/Mas/77. S. Gopalakrishnan. An apparatus for measuring the reserve life (duration) of liquid gas in a cylinder.

35/Mas/77. C. P. Muhammad. A palm-climbing device.

17th February 1977

36/Mas/77. N. N. Shama Bhat. Utilisation of solar energy for producing steam using plane mirrors.

18th February 1977

37/Mas/77. Indian Institute of Technology. A digital frequency meter.

38/Mas/77. Indian Institute of Technology. A device for the recording and playback of at least one low frequency input signal on a single track of a tape recorder.

ALTERATION OF DATE

141581.
Ante-dated 11th July, 1969.
1329/Cal/75.

141582.
Ante-dated 11th July, 1969.
1330/Cal/75.

141583.
Ante-dated 11th July, 1969.
1331/Cal/75.

141584.
Ante-dated 11th July, 1969.
1332/Cal/75.

141585.
Ante-dated 11th July, 1969.
1333/Cal/75.

141587.
Ante-dated 8th December, 1972.
2418/Cal/75.

141617.
Ante-dated 22nd November, 1974
381/Cal/76.

141618.
Ante-dated 22nd November, 1974.
382/Cal/76.

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification respectively".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of Indian Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due Course. The Price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS $32F_3a$. & $60X_2d$. 141581.

Int. Cl.-C07c 87/54.

PROCESS FOR THE PRODUCTION OF NEW ISOTHICYANO-DIPHNYL-AMINES.

Applicant : AGRIPAT S. A. OF SCHWARZWALDALLEE 215, BASLE, SWITZERLAND.

Inventors : PAUL BRENNEISEN (2) JEAN-JACQUES GALLY & ALFRED MARGOT.

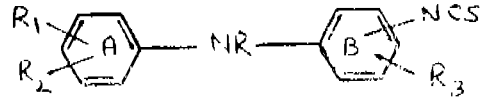
Application No. 1329/Cal/75 filed July 8, 1975.

Division of application No. 122219 filed July 11, 1969.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

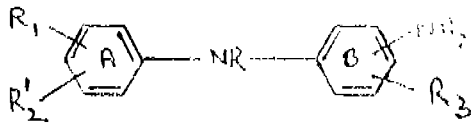
8 Claims.

Process for the production of isothicyano-diphenylamines of the Formula I.

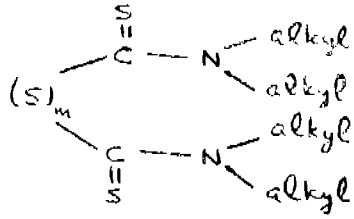


wherein the ortho positions, in rings A and B, relative to an -NR-bridge are free from isothiocyano substituents, R represents hydrogen, alkyl of at most 3 carbon atoms or

alkenyl of at most 3 carbon atoms, R_1 and R_3 represents, independently of each other hydrogen, middle halogen, nitro, trifluoromethyl, alkyl, alkoxy, alkylthio, each of the latter three groups having at most 5 carbon atoms, R_3 represents hydrogen, halogen, nitro, isothiocyano or alkyl of at most 5 carbon atoms, and wherein an isothiocyano group must be in m-or p-position to the -NR- bridge when R is hydrogen, and when R, R_1 and R_3 are hydrogen atoms, and group -NCS at ring B is in m- or p- position and any isothiocyano group R_3 is in m- position, which comprises reacting a diphenylamine of the Formula II.



wherein R'_3 represents hydrogen, halogen, nitro, amino or an alkyl radical with at most 5 carbon atoms, and R, R_1 and R_3 have the meanings given above, and wherein a primary amino group being in m-or p-position to the -NR-bridge when R is hydrogen, and only in those cases where R_1 and/or R_3 represents a substituent other than hydrogen the $-NH_2$ group at ring B as well as any $-NH_2$ group of R'_3 can be in para-position to the -NR- bridge when R is hydrogen, with a sulfide of the formula II-A.



wherein alkyl represents an alkyl radical having at most 4 carbon atoms and m represents the integer 1 or 2.

CLASS 32F$_3$a & 60X$_3$d. 141582.

Int. Cl.-C07c 87/54.

PROCESS FOR THE PRODUCTION OF NEW ISOTHIOCYANO-DIPHENYL-AMINES.

Applicant : AGRIPAT S. A. OF SCHWARZWALDALLEE 215, BASLE, SWITZERLAND.

Inventors : PAUL BRENNEISEN, (2) JEAN-JACQUES GALLAY, (3) ALFRED MARGOT.

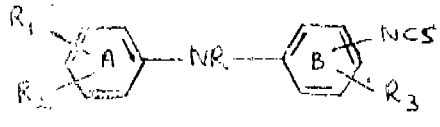
Application No. 1330/Cal/75 filed July 8, 1975.

Division of application No. 122219 filed July 11, 1969.

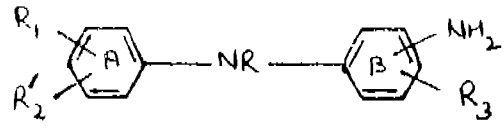
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Process for the production of isothicyano-diphenylamines of the formula I.



wherein the ortho positions, in rings A and B, relative to an -NR-bridge are free from isothicyano substituents, R represents hydrogen, alkyl of at most 3 carbon atoms or alkenyl of at most 3 carbon atoms, R_1 and R_3 represent, independently of each other hydrogen, middle halogen, nitro trifluoromethyl, alkyl, alkoxy, alkylthio, each of the latter three groups having at most 5 carbon atoms, R_3 represents hydrogen, halogen, nitro, isothiocyano or alkyl of at most 5 carbon atoms, and wherein an isothiocyano group must be in m-or p-position to the -NR- bridge when R is hydrogen, and when R, R_1, and R_3 are hydrogen, atoms, and group -NCS at ring B is in m-or p-position and any isothiocyano group R_3 is in m-position, which comprises reacting a diphenylamine of the Formula II.



wherein R'_3 represents hydrogen, halogen, nitro, amino or an alkyl radical with at most 5 carbon atoms, and R, R, and R_3 have the meanings given above, and wherein a primary amino group being in m-or p-position to the -NR-bridge when R is hydrogen, and only in those cases where R, and/or R_3 represent a substituent other than hydrogen the $-NH_2$ group at ring B as well as any $-NH_2$ group of R'_3 can be in para-position to the -NR- bridge when R is hydrogen, with a pentathio-dipercarbonic acid-halogenoalkyl ester.

CLASS 32F$_3$a. & 60X$_3$d. 141583.

Int. Cl.-C07c 87/54.

PROCESS FOR THE PRODUCTION OF NTW ISOTHIOCYANO-DIPHENYLAMINES.

Applicant : AGRIPAT S. A., OF SCHWARZWALDALLEE 215, BASLE, SWITZERLAND.

Inventors : PAUL BRENNEISEN, (2) JEAN-JACQUES GALLAY, (3) ALFRED MARGOT.

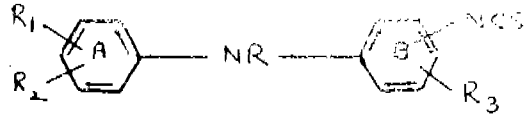
Application No. 1331/Cal/75 filed July 8, 1975.

Division of Application No. 122219 filed July 11, 1969.

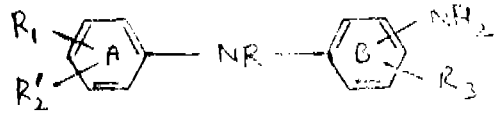
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Process for the production of isothiocyano-diphenylamines of the formula I.



wherein the ortho positions, in rings A and B, relative to an -NR-bridge are free from isothiocyano substituents, R represents hydrogen, alkyl of at most 3 carbon atoms or alkenyl of at most 3 carbon atoms, R_1 and R_3 represent, independently of each other hydrogen, middle halogen, nitro, trifluoromethyl, alkyl, alkoxy, alkylthio, each of the latter three groups having at most 5 carbon atoms, R_3 represents hydrogen, halogen, nitro, isothiocyano or alkyl of at most 5 carbon atoms, and wherein an isothiocyano group must be in m-or p-position to the -NR- bridge when R is hydrogen, and when R, R, R_1 and R_3 are hydrogen atoms, the group -NCS at ring B is in m- or -p-position and any isothiocyano group R_3 is in m-position, with the proviso that nitro or trifluoromethyl may not be present on a ring bearing an isothiocyano group, which comprises reacting a diphenylamine of the Formula II.



wherein R'_3 represents hydrogen, halogen, nitro, amino or an alkyl radical with at most 5 carbon atoms, and R, R, and R_3 have the meanings given above, and wherein a primary amino group being in m-or p-position to the -NR-bridge when R is hydrogen, and only in those cases where R, and/or R_3 represent a substituent other than hydrogen the $-NH_2$ group at ring B as well as any $-NH_2$ group of R'_3 can be in para-position to the -NR-bridge when R in hydrogen, with the proviso that nitro or trifluoromethyl may not be present on a ring bearing an amino group, with ammonium thiocyanate in the presence of hydrogen chloride in a solvent which is inert towards the reaction components.

CLASS 32F$_3$a & 60X$_3$d. 141584.

Int. Cl.-C07c 87/54.

PROCESS FOR THE PRODUCTION OF NEW ISOTHIOCYANO-DIPHENYLAMINES.

Applicant : AGRIPAT S. A. OF SCHWARZWALDALLEE 215, BASLE, SWITZERLAND.

Inventors : PAUL BRENNEISEN, (2) JEAN-JACQUES GALLAY, (3) ALFRED MARGOT.

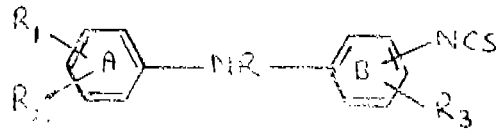
Application No. 1332/Cal/75 filed July 8, 1975.

Division of application No. 122219 filed July 11, 1969.

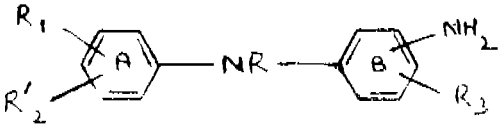
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Process for the production of isothiocyano-diphenylamines of the formula I.



wherein the ortho positions, in rings A and B, relative to an -NR-bridge are free from isothiocyano substituents, R represents hydrogen, alkyl of at most 3 carbon atoms or alkenyl of at most 3 carbon atoms, R_1 and R_2 represent, independently of each other hydrogen, middle halogen, nitro, trifluoromethyl, alkyl, alkoxy, alkylthio each of the latter three groups having at most 5 carbon atoms, R_3 represents hydrogen, halogen, nitro, isothiocyano or alkyl of at most 5 carbon atoms, and wherein an isothiocyano group must be in m-or-p-position to the -NR-bridge when R is hydrogen, and when R, R_1 and R_2 are hydrogen atoms, the group -NCS at ring B is in m-or-p-position and any isothiocyano group R_3 is in m-position, which comprises reacting a diphenylamine of the formula II.



wherein R'_2 represents hydrogen, halogen, nitro, amino or an alkyl radical with at most 5 carbon atoms, and R, R_1 and R_3 have the meanings given above, and wherein a primary amino group being in m-or-p-position to the -NR-bridge when R is hydrogen, and only in those cases where R_1 and/or R_3 represent a substituent other than hydrogen the $-NH_2$ group at ring B as well as any $-RH_2$ group of R'_2 can be in para-position to the -NR-bridge when R is hydrogen, with benzoyl-isothiocyanate into the corresponding thiourea and decomposing this by heating in the presence of a solvent which is inert towards the reaction components, or of acids or acidanhydrides.

CLASS $32F_{6a}$ & $60X_2d$. 141585.

Int. Cl.-C07c 87/54.

PROCESS FOR THE PRODUCTION OF NEW ISOTHIOCYANO-DIPHENYLAMINES.

Applicant : AGRIPAT S. A. OF SCHWARZWALDALLEE 215, BASLE, SWITZERLAND.

Inventors : PAUL BRENNEISEN, (2) JEAN-JACQUES GALLAY, (3) ALFRED MARGOT.

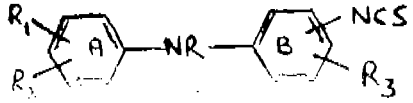
Application No. 1333/Cal/75 filed July 8, 1975.

Division of Application No. 122219 filed July 11, 1969.

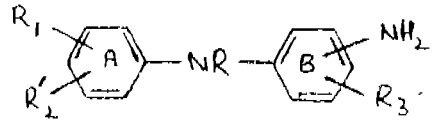
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Process for the production of isothiocyano-diphenlamines of the formula I.



wherein the ortho position positions, in rings A and B, relative to an -NR-bridge are free from isothiocyano substituents, R represents hydrogen, alkyl of at most 3 carbon atoms or alkenyl of at most 3 carbon atoms. R_1 and R_2 represent, independently of each other hydrogen, middle halogen nitro, trifluoromethyl, alkyl, alkoxy alkylthio, each of the latter three groups having at most 5 carbon atoms, R_3 represents hydrogen, halogen, nitro, isothiocyano or alkyl of at most 5 carbon atoms, and wherein an isothiocyano group must be in m-or-p-position to the -NR-bridge when R is hydrogen, and when R, R_1 and R_2 are hydrogen, atoms, the group -NCS at ring B is in m-or-p-position and any isothiocyano group R_3 is in m-position which comprises reacting a diphenylamine of the formula II.



wherein R'_2 represents hydrogen, halogen, nitro, amino or an alkyl radical with at most 5 carbon atoms, and R, R_1 and R_3 have the meanings given above, and wherein a primary amino group being in m-or p-position to the -NR-bridge when R is hydrogen, and only in those cases where R_1 and/or R_3 represent a substituent other than hydrogen the $-NH_2$ group at ring B as well as any $-NH_2$ group of R'_2 can be in para-position to the -NR-bridge when R is hydrogen, with carbon disulfide in the presence of an inorganic base or a tertiary amine into the corresponding dithiocarbamic acid salts and then splitting off the mercapto moiety therefrom by reaction with heavy metal salts, with iodine, with alkali metal chlorites or hypochlorites, with Chloramine T, phosgene or with phosphoroxy chloride.

CLASS 134-A. 141586.

Int. Cl.-F05b 65/12.

IMPROVEMENTS IN OR RELATING TO THE LOCKING ARRANGEMENT OF LUGGAGE BOOT LIDS OF CARS.

Applicant & Inventor : SURANJAN SINGH, OF 33, SHAKESPEARE SARANI, CALCUTTA-700017, WEST BENGAL, INDIA.

Application No. 2160/Cal/75 filed November 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A locking arrangement for luggage boot lids of cars, comprising a combination lock including the usual T-shaped handle adapted to be locked by a tumbler lock located therein, a multiple lever lock having a plunger adapted to engage the T-shaped handle and be locked in position, a double armed lever biassed by a spring to a position to prevent disengagement of locking lever of the T-shaped handle and adapted to be moved by actuation of a bowden cable operated by a knob mounted within the body of the car for permitting disengagement of the said locking lever.

CLASS 70-B & $70C_5$. 141587.

Int. Cl.-C01b 7/06, C01d 1/06 & H01m 3/00.

AN IMPROVED PROCESS FOR THE PRODUCTION OF CHLORINE AND ALKALI METAL HYDROXIDE.

Applicant : HOOKER CHEMICAL CORPORATION, OF NIAGARA FALLS, NEW YORK, UNITED STATES OF AMERICA.

Inventors : EDWARD HOPPE COOK, JR. (2) ALVIN THEODORE EMERY & BLAINE ORWELL SCHOEPFLE.

Application No. 2418/Cal/75 filed December 30, 1975.

Division of application No. 2100/72 filed December 8, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An improved process for the production of chlorine and alkali metal hydroxide containing low concentration of sodium chloride which comprises electrolyzing aqueous brine solutions in a cell equipped with an anode and a cathode separated by a perm-selective diaphragm consisting essentially of a hydrolyzed copolymer of tetra-fluoroethylene and a sulfonated perfluorovinyl ether of the formula

FSO_2CF_2 CF_2 OCF (CF_3) CF_2 OCF $= CF_2$

said copolymer having an equivalent weight of from about 900 to 1600.

CLASS 100 & 127-D. 141588.

Int. Cl.-B21j 7/16 & B25d 15/00.

AN IMPROVED MECHANICAL DEVICE FOR CONVERTING ROTARY MOTION OF AN ELECTRIC HAND DRILLING MACHINE INTO PERCUSSIVE HAMMER BLOWS.

Applicant : DASH FASTENERS (PRIVATE) LIMITED, OF C-16, SOUTH EXTENSION, PART II, NEW DELHI.

Inventor : PROMOD MEHTA.

Application No. 180/Cal/76 filed January 31, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims.

A mechanical device for converting the rotary motion of an electrically operated drill hammer into percussive hammer blows comprising an input shaft adapted to rotate coaxially with the drilling machine and gripped in the drill chuck or directly screwed to the drill spindle by means of matching internal threads and fitted to the main housing having provision of a handle the other end of the said shaft being linked to a circular cam assembly, a compression spring mounted on the said shaft and supported between the housing and the cam assembly by means of two collars characterised in that the lower end of the said cam assembly has a series of ridges and rests upon another cam having provision of matching profile at the top which is fixed at the bottom of the housing cover; a hammer rod adapted to pass through the central bore of the said lower cam and enclosed in a ring collar and screwed to the bottom of the cover, the said hammer rod having provision of centrally positioned integral collar and a larger diameter so that its to-and- fro motion could be controlled to the required length by giving a suitable shape to the bottom of the said housing cover and the ring collar; the hammer rod projects out of the bottom cover and the cam and also touches the top of the cam assembly with its lower end to hold the hammer bits or for fixing interchangeable hammer bits thereon, the whole arrangement being such that during the drilling operation of the drill hammer the handle of the housing is firmly held by the hand to prevent the rotation of the housing with the drill spindle thereby causing the drill hammer to convert its rotary motion into the linear percussive movement.

CLASS 40F & 85A. 141589.

Int. Cl.-F27b 5/04, B01l 11/00.

AN APPARATUS FOR THERMOGRAVIMETRIC ANALYSIS IN DYNAMIC GAS FLOW ENVIRONMENT.

Applicant : THE FERTILIZER CORPORATION OF INDIA LIMITED, PLANNING AND DEVELOPMENT DIVISION, SINDRI, DISTRICT DHANBAD, BIHAR, INDIA.

Inventors : DR. HRISHIKESH CHANDRA ROY, SRI HIMANSU BHUSHAN ACHARYYA AND SHRI KRISHNA SHARMA.

Application No. 2408/Cal/73 filed November 1, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A heating chamber for use in thermo-gravimetric analysis in dynamic gas/air flow environment comprising a tubular body of refractory material housed in the space formed between plurality of blocks of insulating refractory material, the lower end of the tubular body resting on an air/gas distributing support platform made of a thermally insulating gasket embedded with a perforated disc and fine wire gauze, said platform being provided in the space provided therefor in the plurality of said insulating refractory blocks, said platform being open or exhibited at its other end to the supply of gas/air, the tubular body having the usual heating and heat measuring arrangements and a housing for the heating chamber.

CLASS 27E & 152F & F1. 141590.

Int. Cl.-E04f 15/10.

IMPROVEMENTS IN OR RELATING TO A COMPOSITION FOR SURFACE AND FLOOR FINISHES.

Applicant & Inventor : MRS. ELIZABETH MATHEW, OF MANIMANGALAM HOUSE, POWER HOUSE WARD, ALLEPPEY, KERALA STATE, INDIA.

Application No. 6/Mas/74 filed January 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims. No drawings.

A composition for surface and floor finishes which has for its main ingredients :—

(a) a "fibrograte" comprising—

(a) synthetic and/or natural fibres such as herein described; and

(b) an organic, inorganic and/or mineral aggregates such as herein described, and

(2) a thermoplastic or thermosetting bonding agent such as herein described,

the proportion of the fibrograte to the bonding agent varying from a maximum of 1-8, 2-4 or 1-10 to a minimum of 1-20.

CLASS 107-I & 173A. 141591.

Int. Cl.-F02m 7/00.

A DEVICE FOR SAVING CONSUMPTION OF FUEL IN INTERNAL COMBUSTION ENGINE.

Applicant & Inventor : JAYAWANT RAMCHANDRA PARANJPEY, AMERICAN AUTOMOBILES, BHAGWAT WADI, AKOLA—MAHARASHTRA STATE, INDIA.

Application No. 58/Bom/74 filed February 13, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

Device to save fuel in internal combustion engine, comprising a flanged body which is located between the delivery end of a carburettor and the induction manifold leading towards the engine cylinders; the said flanged body being provided with an opening and on lower side of which there are provided inwardly twisted plurality of projections, the said opening being fitted with a fine meshed wire gauze, there being provided an additional inlet vent with a regulator valve, such that the said valve normally remains closed during idle running of the engine but automatically opens when the engine revolutions exceed thousand r.p.m. such that extra air is mixed with the incoming fuel which in this case is in more atomized form by virtue of the said plurality of projections affording through combustion of fuel resulting in economy of the same.

CLASS 195C & E & 196C. 141592.

Int. Cl.-G01f 13/00, 15/00, 23/00, G05d 7/00.

VOLUME REGULATOR FOR FLUIDS.

Applicant : DANFOSS A/S. NORDBORG, DENMARK.

Inventors : JENS ERIK GAMMELBY JENSON, VOLKER SPIES, KNUD VAGN VALBJORN, AND POUL CHRISTIAN DYHR-MIKKELSEN.

Application No. 118/Bom/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

Volume regulator for controlling fluid-flow in a duct system of the type using a pressure-difference—controlled diaphragm unit which actuates a movable unit regulating the

volume of air in a duct, and where the movable unit is pivotally mounted, and where the pivotally mounted unit is balanced, for instance by means of a presettable counterbalance, characterised by the axis of rotation of the pivotally mounted unit being extended beyond the centre of rotation and at least one arm forming the connection between the centre of rotation and the movable unit, and the arm holding a slidable weight.

CLASS 63A$_3$ & B. 141593.

Int. Cl.-H02k 1/00, 3/00, 17/00.

IMPROVEMENT IN/OR RELATING TO SINGLE PHASE CAPACITOR MOTORS.

Applicant : CROMPTON GREAVES LIMITED, OF KANJUR, BHANDUP, BOMBAY-78.

Inventor : MR. DAMODAR HARI PAL AND MR. PRAKASH KRISHNARAO KOLHEKAR.

Application No. 121/Bom/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

Single phase AC Capacitor Motor, the stator of which has slot openings accommodating stator windings and within each slot opening and over the windings an insulating wedge is provided for each slot opening, characterised in that a non-slidable magnetic wedge is inserted within the space between the opening and the insulating wedge in a few or all of the slot openings.

CLASS 99A. 141594

Int. Cl.-A47j 27/00.

IMPROVEMENTS MADE IN OR RELATING TO THE METALIC HANDLE OF METALIC KETTLE.

Applicant & Inventor : KAMALNAYAN KEDARNATH GUPTA, OF 20, WADI BUNDER ROAD, MAZGAON, BOMBAY-10, MAHARASHTRA, INDIA.

Application No. 201/Bom/74 filed May 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

An improved metallic kettle with metallic handle wherein, for making the metallic handle bearable of heat while handling when the kettle contains hot beverage, the metallic handle is made of two metallic strips, one outer and the other inner of diffrent radia and is joined to the metallic kettle, in that :

(a) the outer strip is broad and thick while the inner strip is relatively narrow and thin;

(b) the outer strip near its upper end is joined near the outer upper end surface of the body of the kettle at minimum point of contact by means of welding or soldering;

(c) the inner strip near its lower end is joined near the outer surface of the body of the kettle at minimum point of contact by means of welding or soldering;

(d) the lower end of the outer strip is connected to the outer side of the inner strip by welding or soldering;

(e) the upper end of the inner strip is connected to the inner side of the outer strip by welding or soldering.

CLASS 106. 141595.

Int. Cl.-F04f 5/00.

AN INJECTOR WITH HOLDER FOR AN AIR MIXER OR THE LIKE.

Applicant : AIRPROCESS A. G. OF 55, BAHNHOFSTRASSE, 6460 ALTDROF, SWITZERLAND.

Inventors : ROBER JACQUES ROEST AND PIETER VAN RUITENBERG.

Application No. 277/Bom/74 filed July 29, 1974.

Convention date April 16, 1974/(16614/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

An injector with a holder for detachably disposing the injector in the bottom of the vessel of an apparatus, the material to be treated introduced into the vessel and fluidified by blowing a gas, for instance air, from below into the vessel, the injector substantially consisting of an injector tube and an injector casing situated at adjustable distance from the injector tube, the casing at its upper end having a closure provided with an opening corresponding to the outlet of the injector tube situated under said opening, characterized in that the end portion of the wall of the casing turned away from the closure is outwardly thickened and speaking generally the face of the thicker wall part, turned towards the closure has a conically extending slant, while in the thicker wall part one or more transverse channels are provided each of them connecting the outer peripheral surface of the injector casing with the space between injector tube and injector casing, while the hollow holder further consists of a circumferential wall and on one side a transverse wall which is provided with a central opening having a cross-section inferior to the cross-section of the hollow room in the holder, the edge of the transverse wall encircling said central opening and turned towards said hollow room showing a conically extending slant so that after fitting the injector in the holder the conically extending faces of the injector casing and of the transverse wall of the holder, respectively, contact each other at least at one location.

CLASS 195D. 141596.

Int. Cl.-F16k 31/00.

IMPROVEMENTS IN OR RELATING TO ROTARY SOLENOID VALVES.

Applicant : MESSRS. JYOTI LIMITED, OF INDUSTRIAL AREA, P.O. CHEMICAL INDUSTRIES, BARODA 390 003, GUJARAT STATE, INDIA.

Inventor : MR. YENAMALA RAMACHANDRA REDDY.

Application No. 381/Bom/74 filed November 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A rotary solenoid valve characterised in that it comprises of a body housing a plurality of radial passages opening into a cylindrical bore in its interior; a cylindrical plunger housed in the said cylindrical bore capable of oscillating therein; a plurality of grooves on the said plunger at least one of them forming a pathway for the transmission and control of fluids entering through at least one of the radial passages in the said body and exhausting through another radial passage; a circumferential groove for collection of any leaking fluid; an 'O' ring or other sealing means for prevention of any fluid leaking beyond the cylindrical mating surfaces of the said body and plunger; holes in the said body for removing the fluid leaked into the leakage groove and in the space between the bottom of the plunger and the said body; a groove on the said plunger housing a stopper mechanism to control and limit the arc of rotation of the plunger in the bore of the said body; a latch plate rigidly attached to the apex of the plunger; a torsion spring one end of which is attached to the latch plate and the other end to the body; a manual operator knob capable of holding the latch plate in position when the latch plate which controls the movement of the plunger is manually brought into position initially, the knob being capable of being made non-functional; a solenoid attached to the said body; a spring loaded armature capable of moving in the said solenoid; a lever plate attached rigidly to the said armature the free extremity of which is capable of pivoting on a pivot screw and possesses a notch such that when the solenoid is energised the armature is attracted into the solenoid coil causing the lever plate to pivot and lock the latch plate with the notch therein, whereafter the manual operator knob is depressed and the valve is in a position for the automatic de-control of the latch plate and rotation of the plunger as soon as the solenoid is deenergized, resulting in the regulation of the fluid being transmitted through the valve.

CLASS $6B_2$ & 39A. 141597.

Int. Cl.-C01b 17/16, B01d 53/00.

A PROCESS FOR CONVERTING SULFUR POLLUTANTS NAMELY CARBONYL SULFIDE AND SULFUR DI-OXIDE IN INDUSTRIAL (EXHAUST) GAS STREAMS TO RECOVERABLE HYDROGEN SULFIDE.

Applicant : CATALYSTS AND CHEMICALS, INC., OF 1227 SO, 12TH STREET, LOUISVILLE, KENTUCKY, U.S.A.

Inventor : RICHARD WILLIAM LAHUE.

Application No. 291/Cal/74 filed February 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for converting sulfur pollutants namely carbonyl sulfide and sulfur di-oxide in industrial (exhaust) gas streams to recoverable hydrogen sulfide which comprises treating said gas stream with water or hydrogen to effect said conversion characterized by the improvement comprising affecting said conversion at temperatures above 250°F. and promoting said conversion by gaseous contact with a bed of a sulfided platinum catalyst supported on particles of a high surface area alumina, said particles having their surfaces impregnated with 0.01 to 1 weight percent platinum in the form of the sulfide, the surface area of the finished catalyst being in the range of 100 to 400 m^2/gm., the precursor alumina being a hydrated alumina containing 0.5 to 3.0 mols water per mol alumina.

CLASS $155F_5$ & 164A & C & 201D. 141598.

Int. Cl.-B27k 5/00, C02d 1/82.

A METHOD FOR PRESERVING UNDERWATER STRUCTURES FROM BIODETERIORATION BY MARINE FOULING AND FROM ATTACK OF WOOD BORING ORGANISMS.

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, (INDIA).

Inventors : SHRI NARAYANAN KALYANSUNDARAM AND SATYANARAYANA SITARAMIAH GANTI.

Application No. 899/Cal/74 filed April 19, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A method for preserving underwater structures from biodeterioration by marine fouling and from attack of wood boring organisms which comprises in providing to toxic region at or near the said structures to prevent the approach of the marine fouling organisms and wood boring organisms, characterized in that said toxic region is provided *in situ* in the vicinity of said structure by free chlorine gas and further characterized in that the free chlorine gas is liberated in the vicinity of said underwater structures by electrolytically dissociating chlorides present in the sea water, between a set of anodes and cathodes each made of same or dissimilar material, the anode being made fully or having an electroplated surface of a noble metal, and/or alloy/s of noble metals.

CLASS 155A & D. 141599.

Int. Cl.-B29d 7/10, 7/14, 9/02, 29/04.

METHOD AND APPARATUS FOR THE MANUFACTURE OF FIBRE-REINFORCED RESIN MATERIAL AND FIBRE REINFORCED RESIN MATERIAL OBTAINED BY SAID METHOD.

Applicant & Inventor : ALBRT SPAYY, OF ROBERT-KOCH-STRASSE 15, 7518 BRETTEN, WEST GERMANY.

Application No. 1075/Cal/74 filed May 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

31 Claims

A method, for the manufacture of fibre-reinforced resin materials wherein a first layer of chopped fibres is applied to a first layer of a resin composition, a layer of continuous fibres is deposited in a tangled arrangement on the first layer of chopped fibres, a second layer of chopped fibres is applied to the layer of endless, fibres and a second layer of resin composition is applied to the second layer of choppd fibres.

CLASS 14B. 141600.

Int. Cl.-H01m 21/06, 11/00.

DRY CELL.

Applicant & Inventor : PARAS NANDAN JAIN, OF 4/51, VIJAY NAGAR, DELHI-9, INDIA AND PATTABHIRAMAN BALASUBRAMANIAN, OF 7, ORIGINAL ROAD, KAROL BAGH, NEW DELHI-5, INDIA.

Application No. 1162/Cal/74 filed May 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims. No drawings.

A dry cell consisting of a positive electrode and outer casing forming the negative electrode and wherein the electrolyte is disposed between said electrodes characterized in that said outer container consists of a shaped hardened foil comprising essentially of zinc, a plastic cladding in the form of a tube embracing the outer surface of said casing.

CLASS 40F. 141601.

Int. Cl-G01n 33/00

SIMPLIFIED ROTOR FOR FAST ANALYZER OF ROTARY CUVETTE TYPE.

Applicant : UNITED STATES ATOMIC ENERGY COMMISSION, OF WASHINGTON, DISTRICT OF COLUMBIA 20545, UNITED STATES OF AMERICA.

Inventors : NORMAN GULACK ANDERSON AND DAMOUS DEFARIS WILLS.

Application No. 1593/Cal/74 filed July 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An improved rotor for use in a fast photometric analyzer of the rotary cuvette type comprising a disk-shaped member of laminated construction with a central opaque disk sandwiched between top and bottom transparent walls, said disk-shaped member defining :

(a) a circular array of sample analysis cuvettes extending through said central opaque disk for receiving and holding samples and reagents for photometric analysis;

(b) a circular array of first loading apertures extending through said top transparent wall in liquid communication with respective cuvettes in said array of sample analysis cuvettes for facilitating the static loading of liquid in said cuvettes; and

(c) means for dynamically injecting liquids into said sample analysis cuvettes.

CLASS 32E & 152F. 141602.

Int. Cl.-C08f 25/00.

PROCESS FOR THE PREPARATION OF TRIOXANE COPOLYMERS.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : GUNTER SEXTRO, KARI-HEINZ HAFNER AND KARLHEINZ BURG.

Application No. 2725/Cal/74 filed December 11, 1974.

Addition to No. 2756/Cal/73.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for preparing copolymers of trioxane by polymerization of 99.9 to 90 weight percent of trioxane and 0.1 to 10 weight % of a cyclic acetal in the presence of a cationically active catalyst such as hereinbefore described comprising rapid and homogeneous mixing of trioxane, cyclic

acetal and catalyst at a temperature of from 62° to 115°C. solidifying by chilling the thus produced liquid mixture immediately and prior to the mixture turning turbid, heating the mixture maintained in a solid state of aggregation to a temperature of from 62° to 130°C and working it up as usual according to Indian Patent Application Serial No. 2726/Cal/73, (139647) wherein the solidification of the liquid mixture is carried out in a double screw extruder.

CLASS 40E. 141603.

Int. Cl.-A01b 13/00, B01j 1/00.

A DEVICE FOR CONCENTRATING DILUTE SUSPENSIONS.

Applicant : INSTITUT FRANCAIS DU PETROLE, OF 4, AVENUE DE BOIS PREAU 92502 RUEIL MALMAISON, FRANCE, AND SOSA TEXCOCO S.A., OF ECATEPEC DE MORELOS—ESTODO DE MEXICO, MEXICO.

Inventors : DANIEL LONCHAMP, AND CLAUDIO SANTILLAN-SANCHEZ.

Application No. 254/Cal/75 filed February 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A device for concentrating dilute suspensions, mainly comprising a cylindrical drum rotatable abouts its axis and having a honey-combed solid cylindrical wall supporting a filtration cloth of convenient mesh size which is pressed against the latter, and a feeding pipe for the suspension to be concentrated which opens within said drum; in which said cylindrical drum is so placed that its axis is slightly inclined to the horizontal and said feeding pipe opens in the vicinity of the upper end of the said drum.

CLASS $32F_3b$ & $60X_3a$. 141604.

Int. Cl.-A61k 21/00, C07d 93/06, 99/24.

A PROCESS FOR PREPARING LYSINE SALT OF CEPHALEXIN.

Applicant : ANTONIO GALLARDO S.A., OF CALLE CARDONER NO. 68-74, BARCELONA 12, SPAIN.

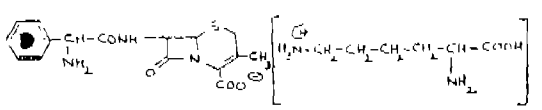
Inventors : JACINTO MORAGUES MAURI, ROBERT GEOFFREY WILLIAM SPICKETT AND ARMANDO VEGA NOVEROLA.

Application No. 208/Cal/76 filed February 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Process for preparing a salt of the 7-(D-α-amino-α-phenylace tamido-3-methyl-3-cepham-4-carboxylate acid (cephalexin) with the α , ε-diamino-hexoic acid (lysine) which is shown by the structure formula of the accompanying drawings.



characterized in that the reaction is carried out between the cephalexin and the lysine using as solvent water, methanol, ethanol, or also using mixtures of solvents, such as methanol and methylene chloride; the reaction is carried out at a temperature between 2°C and 15°C until its complete dissolution and this solution after being filtered is atomized using an atomizer type Niro or alike in order to eliminate water and organic solvents, with a temperature of the intake air of 120–130°C and a temperature of the outlet air oscillating between 40 and 70°C.

CLASS $6B_3$. 141605.

Int. Cl-B01d 45/00.

METHOD AND APPARATUS FOR DISENGAGING PATTICLES FROM GASES.

Applicant : ASHLAND OIL, INC., AT P.O. BOX 391, ASHLAND, KENTUCKY 41101, U.S.A.

Inventors : GEORGE DANIEL MYERS, PAUL WINSTON WALTERS AND ROBERT LEE COTTAGE.

Application No. 422/Cal/76, filed March 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims.

Apparatus for disengaging particles from a gas stream in which they are suspended comprising

structure presenting a chamber,

an elongated tubular conduit through which in use said gases and particles are moved, said conduit having an outlet opening to said chamber,

means for moving said gas stream along said conduit from a remote end thereof, towards said outlet opening,

said conduit having a sidewall with a sidewall opening therein, said sidewall opening being substantially parallel to a longitudinal axis of said conduit and adjacent to but upstream of said outlet opening, and

cyclone separator means having an inlet which communicates directly with said sidewall opening.

CLASS 51D. 141606.

Int. Cl.-B26b 21/54.

AN IMPROVED RAZOR BLADE.

Applicant : HARBANS LAL MALHOTRA & SONS PRIVATE LIMITED, OF 12, NEW C.I.T. ROAD, CALCUTTA-12, STATE OF WEST BENGAL, INDIA.

Inventor : SURINDER KUMAR ANAND.

Application No. 1444/Cal/74 filed June 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

An improved razor blade having a first coating of a precious metal on or adajacent the cutting edge/s thereof and an overcoat of a precious metalic compound such as metal oxide, metal nitride and metal boride on the said first coating.

CLASS 206A. 141607.

Int. Cl.-H01q 21/00.

AN IMPROVED DESIGN OF MULTI-CHANNEL MULTI-BAND TV ANTENNA.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : MURLI DHAR SINGH AND PREM SWARUP BHATNAGAR.

Application No. 1530/Cal/74 filed July 9, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A multi-channel multi-band antenna comprising a driven element, directors, a reflector and a balun where the transmission line is connected to the driven element which gives a bidirectional pattern; the reflector reinforces the lobe in the forward direction, the directors help in compressing the main beam and the balun transfers the impedance level characterised in that the driven element consists of a double folded dipole whereby peak performance over a wide-band (on different channels) is obtained.

CLASS $32C$ & $60X_3a$. 141608.

Int. Cl.-A61k 21/00.

IMPROVEMENT IN OR RELATING TO THE PRODUCTION OF PROCAINE BENZYLPENICILLIN IN OIL WITH ALUMINIUM MONOSTEARATE.

Applicant : HINDUSTAN ANTIBIOTICS LTD., PIMPRI, PUNE-411018, MAHARASHTRA INDIA.

Inventor : DR. RAGHUNATH SADASHIV PHADKE.

Application No. 307/Bom/74 filed August 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims. No drawings.

An improvement in or relating to the process of production of procaine benzylpenicillin in oil with aluminium monostearate, such improvement comprises compounding 32% of procaine benzylpenicillin with a thixotropic gel which is prepared with aluminium monostearate and sesame oil and comprising the homogenity and blood-level duration property of the resultant mixture with an international reference preparation by a physical method such as relative sedimentation rate measurement.

CLASS 116G. 141609.

Int. Cl.-G06k 13/02.

DOCUMENT TRANSPORT DEVICE.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, OF NEW YORK, IN THE UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : LAVERNE FRANK KNAPPE, LEE PHILIP SEPETTA, GARY JOHN STROEBEL AND MYRON ARDEN WILKE.

Application No. 2540/Cal/74 filed November 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A document transport device for moving a document along a document path comprising

a base member;

a flexure mounting means supported by and extending from said base member;

an elongated elastomer member supported at one end on said flexure mounting means and presenting a surface adjacent said end opposite said one end in confronting relation to said document path;

electromechanical transducer means connected to said elastomer member at said one end for imparting an oscillatory vibratory motion as a periodic rotation and translation of said elongated elastomer member whereby said surface adjacent the end opposite said one end is induced to precess through a generally elliptical path to induce motion of a document disposed between said surface and said document path.

CLASS 32F$_1$ & F$_{2a}$ & 55E$_4$ 60X$_4$d. 141610.

Int. Cl-A61k 27/00, C07c 85/00; 85/14, 87/24; C07c 87/28; 87/50.

PROCESS FOR PREPARATION OF BENZOBICYCLOALKENE AMINES.

Applicant : AMERICAN HOME PRODUCTS CORPORATION OF 685 THIRD AVENUE, NEW YORK, 10017, NEW YORK, UNITED STATES OF AMERICA.

Inventors : MEIER EZRA FREED, JOHN RICHARD POTOSKI & STANLEY—CHARLES BELL.

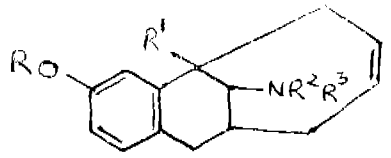
Application No. 386/Cal/75 filed March 1, 1972.

Convention date March 14, 1974 (11410/74) U.K.

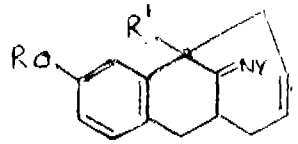
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

19 Claims.

A process for the preparation of a benzo-bicycloalkene amine having the formula 1.



wherein R is hydrogen, lower alkyl or phen (lower) alkyl, R^1 is a lower alkyly of 1 to 4 carbon atoms or lower alkenyl, R^2 is hydrogen, lower alkyl or phen (lower) alkenyl and R^3 is hydrogen, or an acid addition salt thereof, which comprises selective reduction of the group=NY of a compound of the formula 11.



or an acid addition salt thereof, wherein R and R^1 are as defined above and Y is hydrogen, hydroxy, lower alkoxy, phen (lower) alkoxy, lower alkyl or phen (lower) alkyl by a selective reducing agent (as hereinbefore defined) optionally cleaving the ether group of a compound of the formula 1 or an acid addition salt thereof where R is lower alkyl or phen (lower) alkyl to form a phenolic compound by processes known per se, and, if desired, converting a free base form of formula 1 into an acid addition salt thereof by processes known per se.

CLASS 103. 141611.

Int. Cl-C23f 13/00.

A METALLIC STRUCTURE PROTECTED AGAINST CORROSION AND METHOD OF PREPARING A METALLIC STRUCTURE PROTECTED AGAINST CORROSION.

Applicant & Inventor : GEORGE TEBBETTS SHUTT, OF 1421, NORMAN PLACE, ST. LOUIS, MISSOURI, U.S.A.

Application No. 1926/Cal/73 filed August 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

35 Claims. No drawings.

A metallic structure protected against corrosion in the presence of an electrolyte comprising a corrosible ferrous substrate having a porous coating bonded thereto which coating comprises a prehydrolyzed polymeric base, at least one filler composition, and at least one ionizable compound, said vase and said filler composition and said ionizable compound being intimately intermixed, providing a hard, normally porous character permitting absorption and retention of ambient corrosive electrolytic solutions therein, said ionizable compound being capable of forming ions within the said solutions which ions are reactive with the electrolytes in said solutions to form reaction products for reception and retention within the aforesaid pores to develop a rigid barrier against further moisture penetration.

CLASS 32F$_1$. 141612.

Int. Cl-C08f 3/20, C08f 3/32, C08f 29/16.

PROCESS FOR THE DIRECT FLUORINATION OF HYDROGEN-CONTAINING SOLID MATERIALS AND PRODUCTION OF HYDROLYTICALLY RESISTANT FLUOROCARBONS.

Applicants : DAMW ASSOCIATES, OF P.O. BOX 3009, VERO BEACH, FLORIDA, U.S.A., BETTY ANDREAE, OF 4993 ELMGATE DRIVE, ORCHARD LAKE, MICHIGAN, U.S.A., MARCHEM, INC., REPRESENTED BY JOHN LEE MARGRAVE, BOTH OF P.O. BOX 6914, HOUSTON, TEXAS, U.S.A., AND ROBERT EDWARD WAGNER, OF 1511 MARK DRIVE, MT. PROSPECT, ILLINOIS, U.S.A.

Inventors: JOHN L. MARGRAVE AND RICHARD J LAGOW.

Application No. 2752/Cal/73 filed December 18, 1973.

Convention date September 7, 1973/(180566/73), Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

27 Claims.

A process for the direct fluorination of hydrogen-containing solid materials such as herein described, by the reaction of fluorine with said material, comprising the steps of placing said hydrogen-containing material in an enclosed chamber; contacting said material with a fluorinating gas selected from the group consisting of fluorine and inorganic fluorides, said gas being introduced into the atmosphere surrounding said hydrogen-containing material at a rate not more than the rate resulting in 6% concentration in said atmosphere at the end of thirty minutes after fluorination has begun, said reaction chamber being maintained below the decomposition temperature of said material throughout said fluorination.

CLASS 68D & F & 146A. 141613.

Int. Cl-H21v 17/00.

AN INSULATING MODULE.

Applicant: OIL AND NATURAL GAS COMMISSION. TEL BHAWAN, DEHRA DUN, UTTAR PRADESH, INDIA.

Inventor: MR. BADRI PRASAD KATHEL.

Application No. 1057/Cal/74 filed May 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

An insulated module adapted to store electrical components or circuits therein comprising a spring loaded base for supporting an evacuated double walled vessel, said vessel adapted to store said electrical components or circuits therein, an insulating member provided at the mouth of said vessel, said member having a longitudinal opening for the traverse of the leads or components, and an outer member of housing within which said vessel and insulating member is disposed.

CLASS 146C. 141614.

Int. Cl.-G01c 19/70.

A PHOTOINCLINOMETER.

Applicant: OIL AND NATURAL GAS COMMISSION. OF TEL BHAWAN, DEHRA DUN, INDIA.

Inventor: BADRI PRASAD KATHEL.

Application No. 1061/Cal/74 filed May 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

15 Claims.

A directional photoinclinometer capable of providing a reading of the inclination and magnetic direction of a bore hole and wherein said readings are provided on a film having a direct interpretation comprising a fishing cap at the introductory end and a nose assembly at the opposite end, a power source and a actuating assembly provided between a centre member and the fishing cap, an inclination recording system and an azimuth recording system provided between said nose assembly and centre member, said inclination and azimuth recording system adapted to be actuated by the actuator system and capable of providing a direct reading of the inclination and magnetic direction of a hole.

CLASS 32A$_1$. 141615.

Int. Cl-C09b 29/08.

PROCESS FOR THE PREPARATION OF MONO AZO PIGMENTS.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

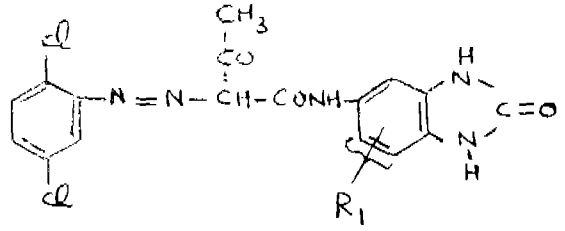
Inventors: KLAUS HUNGER, (2) JOACHIM RIBKA.

Application No. 2089/Cal/74 filed September 19, 1974.

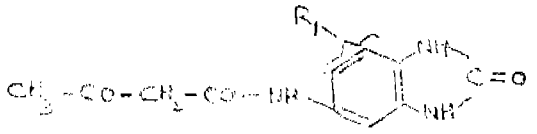
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for the preparation of monoazo pigments of the formula 1.



in which R_1 stand for a hydrogen or chlorine atom or a methyl group, wherein 2, 4-dichloroaniline is diazotized and coupled with a coupling component of the formula 11



wherein R_1 is defined above.

CLASS 32F$_1$ & F$_2$a & F$_2$b & 60X$_4$d. 141616.

Int. Cl-C07c 119/06.

PREPARATION OF SCHITT BASES.

Applicant & Inventor: ALEXANDER LAWSON, OF 203 WINCHMORE HILL ROAD, LONDON, N.21, ENGLAND AND ABDUL FATAH AL-SAYYAB, OF COLLEGE OF SCIENCE, BASRAH UNIVERSITY, BASRAH, REPUBLIC OF IRQ.

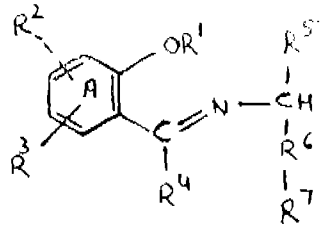
Application No. 881/Cal/75 filed May 1, 1975.

Convention date May 1, 1974/(19157/74) U. K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for the preparation of a Schiff base of the formula I.



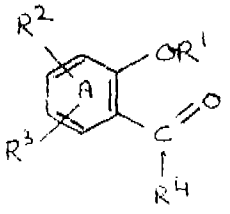
in which:

R^1 is a hydrogen atom or a lower alkyl group;

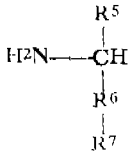
R^2 and R^6 are the same or are different and each is a hydrogen or halogen atom, a hydroxy group, or a lower alkoxy group, or R^2 and R^3 are attached to adjacent carbon atoms on the benzene nucleous A and together represent a carbocylic ring fused to benzene nucleus A; B is a hydrogen atom an alkyl or aralkyl group, or a substiuted or unsubstitute aryl group, or R^4 together with R^5 forms a non-aromatic ring fused to benzene nucleus A which non-aromatic ring may itself have further rings fused therto;

R^5 is a hydrogen atom, a lower akyl group, a lower hydroxyalkyl group, or a carboxylic acid group;

R^6 is a carbon-carbon or carbon-hydrogen bond, a methylene (-CH_2-) group, a hydroxymethylene (-CHOH-) group, or a mercaptomethylene (-CHSH) group; and R^7 is a hydrogen atom, an alkyl or substituted alkyl group, an aryl or substituted aryl group, or a heterocyclic or substituted heterocyclic group, which comprises reacting a carbonyl compound of the formula VIII.



in which R^1, R^2, R^3 and R^4 have the meanings defined above with an amine of the formula :



in which R^5, R^6 and R^7 have the meanings defined above, in the presence of a lower alkanol as solvent.

CLASS 32F$_2$b. 141617.

Int. Cl-C07d 57/24.

PROCESS FOR THE PREPARATION OF "2-ACYL-4-OXO-PYRAZINO-ISOQUINOLINES".

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DARMSTADT, FRANKFURTER STRASSE 250, FEDERAL REPUBLIC OF GERMANY.

Inventors : DR. JURGEN SEUBERT, DR. HERBERT THOMAS AND DR. PETER ANDREWS.

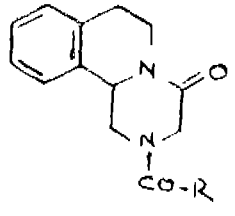
Application No. 381/Cal/76 filed March 3, 1976.

Division of Application No. 2601/Cal/74 filed November 22, 1974.

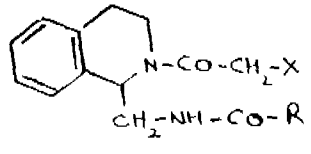
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Process for the preparation of a hexahydro-4H-pyrazino-isoquinoline derivative of the general formula (I).



wherein COR is an acyl radical containing upto 26 carbon atoms in which, when R is phenyl radical, this radical is substituted as well as the physiologically compatible salts, the quaternary ammonium salts and the optical antipodes thereof, which comprises cyclising a compound of the general formula (II).



in which R has the same meaning as above and X is a fluorine, chlorine, bromine or iodine atom or a methylsulfonyloxy or aryl-sulfonyloxy radical containing 6 to 10 carbon atoms, in the presence of a strong base of an inert solvent between —20°C and the boiling point of the solvent used and/or replacing the substituent R is a conventional manner and/or using optically-active starting materials to give optically-active products and/or resolving the product obtained into its optically-active isomers and/or, when the product obtained is a base treating it with an inorganic or organic acid in order to get an acid-addition salt thereof and/or when the product obtained contains a primary, secondary or tertiary amono group treating it with a quaternising alkylation agent in order to get a quaternary ammonium salt thereof and/or, when the product obtained is an acid-addition salt treating it with a base in order to get the free base thereof.

CLASS 32F$_2$b. 141618

Int. Cl.-C07d 57/24.

PROCESS FOR THE PREPARATION OF "2-ACYL-4-OXO-PYRAZINO-ISOQUINOLINES".

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DARMSTADT, FRANKFURTER STRASSE 250, FEDERAL REPUBLIC OF GERMANY.

Inventors : DR. JURGEN SEUBERT, DR. HERBERT THOMAS AND DR. PETER ANDREWS.

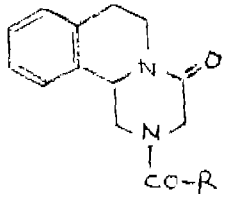
Application No. 382/Cal/76 filed March 3, 1976.

Division of Application No. 2601/Cal/74 filed November 22, 1974.

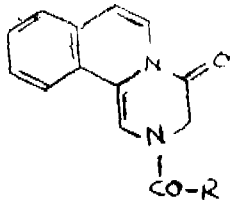
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

Process for the preparation of a bexahydro_4H-pyrazino-isoquinoline derivative of the general formula I.



wherein COR is an acyl radical containing from 1 to 26 carbon atoms in which, when R is a phenyl radical, this radical is substituted as well as the physiologically compatible salts, the quaternary amonium salts and the optical antipodes thereof, which comprises reacting a compound of the general formula II.



in which R has the same meaning as above and the broken line indicate the optional presence of a double bond in the 6, 7-position of the ring system, with a reducing agent; and/or replacing the substituent R in the product obtained by a different substituent R is a conventional manner and/or using optically-active starting materials to give optically acting products and/or resolving the product obtained into its optically-active isomers and/or, when the product obtained is a base treating it with an inorganic or organic acid in order to get an acid-addition salt thereof and/or when the product obtained contains a primary, secondary or tertiary amino group treating it with a quaternising alkylation agent in order to get a quaternary ammonium salt thereof and/or, when the product obtained is an acid-addition salt treating it with a base in order to get the free base thereof.

CLASS 62D. 141619

Int. Cl.-D06m 1/10.

A PROCESS FOR MERCERIZING CELLULOSIC TEXTILE MATERIALS TO OBTAIN HIGH STRENGTH DURABLE PRESS FABRICS.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-7, INDIA.

Inventors : ROMESH CHANDER GUPTA, JAWAHAR LAL HANDU, AKSHAYABAT PANDE, GULZARI LAL, KRISHNAN MYTHILI AND VASANT BHIMRAO CHIPALKATTI.

Application No. 1084/Cal/74 filed May 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims. No drawings

A process for the mercerization of fabrics by treating the materials with concentrated caustic soda lye characterised in that an additional treatment is imparted to the material by subjecting the caustic soda wet material to steaming for a period of 1 to 10 minutes at 90°C to 140°C whereby the treated material ratains high strength properties after the conventional resin treatment for imparting durable press and wash-n-wear properties.

CLASS 85P. 141620

Int. Cl.-B01j 6/00, C04b 3/00.

IMPROVEMENTS IN OR RELATING TO APPARATUS FOR PREHEATING AND CALCINATION OF GRANULOUS AND PIECE MATERIALS.

Applicant : PREROVSKE STROJIRNY, NARODNI PODNIK, OF PREROV, CZECHOSLOVAKIA.

Inventors : JAROSLOV POSPISIL, JIRI PEICHL AND OLDRICH KUCERIK.

Application No. 1654/Cal/75 filed August 26, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Apparatus for preheating and calcination of granulous and piece materials, comprising a vertical preheating and calcination shaft of the exchanger with means for introducing and discharging materials and gases, wherein the vertical preheating and calcination shaft of the heat exchanger comprises an external casing (1) of a preferably circular cross section, to the bottom part of which there is attached an outer collector (2), incilned to the central part of the heat exchanger and an internal casing (3) of a preferably circular cross section, to the bottom part of which there is attached an inner collector (4), declined from the central part of the heat exchanger, in the thus created space being provided a hollow distributing member (5) opened in the downward direction and preferably of an annulus shape, provided with sockets (15) and with a retaining member (6) of preferably an annulus shape, provided below the bottom part of the calcination shaft, in the upper part of the retaining member being a distributing member (7) provided, with its upper tapered part penetrating into the space between the outer collector (2) and inner collector (4), said retaining member (6) being arranged in the dosing chamber, defined by the external casing (8) and internal casing (9) of the dosing chamber; separate discharge channels (12) being attached to the bottom part of this dosing chamber, and separate introducing conduits (13) for materials being connected to the upper part of the vertical preheating and calcination shaft, the upper part of the introducing conduits (13) for materials opening into the common material entry socket (14).

CLASS 32F$_1$ & 60X$_3$d. 141621

Int. Cl. C07c 53/34.

PROCESS FOR THE MANUFACTURE OF FLUORINATED ALKANOIC ACID DERIVATIVES.

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, SW1P 3JF, ENGLAND.

Inventors : DAVID BRYAN HAYDOCK, THOMAS PATRICK CUNNINGHAM-MULHOLLAND, & JEFFREY MEYRICK THORP.

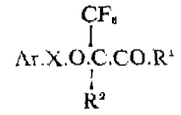
Application No. 2167 Cal/75 filed November 12, 1975.

Convention date December 6, 1974 (52829/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

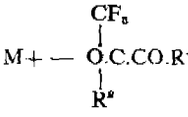
A process for the manufacture of fluorinated alkanoic acid derivatives of the formula :—



wherein Ar is a phenyl or naphthyl radical which, may optionally bear as substituent a halogen atom, or an alkyl or alkoxy radical of 1-4 carbon atoms, or a phenyl or phenoxy radical which may itself bear as substituent a halogen atom or an alkyl or alkoxy radical of 1-4 carbon atoms; X is a group of the formula -O.CH$_2$- or -CH$_2$- or a direct link between the group Ar and the adjacent oxygen atom, R^1 is a hydroxy, amino or dimethylamino radical, or an alkoxy radical of 1 -6 carbon atoms optionally substituted by a carbamoyl radical or an N, N-dialkylcarbamoxyl or dialkylamino radical in which the alkyl radicals are of 1-6 carbon atoms, a pyridyl radical, a halophenoxy radical or a group of the formula Ar. X.O.C.(CF_3)R^3.CO.O-; and R^2 is a hydrogen atom or an alkyl radical of 1-4 carbon atoms or a trifluoromethyl radical or for a compound wherein R^1 is a hydroxy radical, a pharmaceutically acceptable base addition salt thereof, characterised in that a compound of the formula :—

Ar. X.Z. 11

wherein Ar and X have the meanings stated above, and wherein when X is other than a direct link, Z is a halogen atom or an alkane-or arene sulphonyloxy group and wherein when X is a direct link, Z is an arylio-donium or 2-thienyliodonium radical, with a salt of the formula :—



wherein M+ is a metal cation, and R^1 and R^2 have the meanings stated above.

CLASS 139G. 141622

Int. Cl.-C01b 17/00, 17/08.

PROCESS OF RECOVERING ELEMENTARY SULFUR FROM GASES WHICH HAVE A HIGH CARBON DIOXIDE CONTENT AND CONTAIN SULFUR COMPOUNDS AND IMPURITIES.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF 6000 FRANKFURT AM MAIN, REUTERWEG 14, WEST GERMANY.

Inventors : DR. KARL-HEINZ EISENLOHR AND DR. KARL BRATZIER.

Application No. 762/Cal/76 filed April 30, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process of recovering elementary sulfur from gases which have a high carbon dioxide content and contain inorganic and/or organic sulfur compounds, unsaturated hydrocarbons, hydrogen cyanide and other impurities, characterized in that a combustion-promoting gas is added to the gases, the resulting mixture is burnt with a slight excess of air, the resulting gas is caused to flow in contact with coke at temperatures of 300-450° to remove residual oxygen, sulfur trioxide, and

nitrogen oxides, the prepurified gas is cooled to a temperature of 20-80°C and is then subjected in one or two stages to counterflow scrubbing with an aqueous absorbent solution of alkali salts of weak inorganic and/or organic acids or amines to remove sulfur dioxide, the laden absorbent solution is heated and stripped with gases or water vapor to strip off the sulfur dioxide, the stripped-off sulfur dioxide is cooled, excess hydrogen is added thereto, and the mixture is hydrogenated at temperatures of 200-450°C on a catalyst which contains oxides of cobalt, of nickel, of mylybdenum, or of tungsten, to form sulfur and/or hydrogen sulfide, resulting elementary sulfur is removed by cooling, sulfur dioxide in a stoichiometric proportion is added, if required, to hydrogen sulfide which has been formed, the mixture is reacted at temperatures of 200-300°C in contact with a catalyst consisting of alumina or activated carbon to form elementary sulfur, which is recovered by cooling, and all or part of the resulting exhaust gas is recycled to the process.

CLASS 11C. 141623

Int. Cl. C07b 7/00; A23k 1/00.

PROCESS FOR DETOXIFYING OF NUTRIENT PLANT MATERIAL CONTAINING SAPONINS.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventors : KURUVAKKAT KOCHU GOVIND MENON. AND MOHAN JAGANNATHMULKY.

Application No. 305/Bom/74 filed August 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims. No drawings

A method of detoxifying any nutrient plant material, such as alfalfa and defatted mowrah meal, which naturally contains one or more toxic saponins the presence of which hinders the use of such nutrient plant material in animal feeds, in which method the nutrient plant material is treated with a hydrolysing agent to bring about hydrolysis of saponins to sapogenins.

CLASS 80A, & 107G. 141624

Int. Cl. F02b 77/00; B01d 39/00.

AN IMPROVED FILTER FOR INTERNAL COMBUSTION ENGINE.

Applicant & Inventor : PANDURANG KRISHNA BARVE, SAMMOHINI, 1-2/5, GULTEKDI, POONA-411009, MAHARASHTRA, INDIA.

Application No. 117/Bom/75 filed April 29, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

Improved filter for internal combustion engine such as for automobile or a stationery type, for filtering fluids such as air water, petrol, diesel, lubricating oil comprising a two component filter element viz. (i) an inner rigid perforated core of either metal, or plastic and (ii) second component in the form of a sleeve made of either polyurethane foam or natural rubber foam, the said second component being capable of mounting over the said first component; and also being capable of being removed and refitted after cleaning.

CLASS 39L. 141625

Int. Cl.-C01g 23/04.

RECOVERY OF TITANIUM DIOXIDE FROM ORES.

Applicant : ONTARIO RESEARCH FOUNDATION, OF SHERIDAN PARK, ONTARIO, CANADA.

Inventor : SERGE ANTHONY BERKOVICH.

Application No. 265/Cal/74 filed February 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims

A process for the recovery of titanium dioxide from ilmenite ore which comprises contacting the ore or concentrate thereof in particulate form with concentrated hydrochloric acid at a temperature of from about 15 to about 30°C to solubilize and leach from the ore or concentrate at least 80% of the titanium and iron values thereof, the hydrochloric acid being present in such a quantity as to provide at least 2 moles of HCl per mole of ferrous iron, at least 3 moles of HCl per mole of ferric iron and at least 4 moles of HCl per mole of titanium in the ore or concentrate, separating the resulting leach liquor from residual solid material, converting in a manner such as herein described substantially any ferric iron present in the leach liquor to ferrous iron to provide an aqueous solution of titanium chlorides and ferrous chloride, hydrolyzing the titanium chlorides and depositing from the aqueous solution titanium oxyhydrate while inhibiting the deposition of other metal hydroxides, separating the deposited titanium oxyhydrate from the mother liquor, washing the separated material free from entrained mother liquor, drying the washed material and converting the dried titanium oxyhydrate to titanium dioxide.

CLASS 68D & 69B. 141626

Int. Cl.-H01h 5/08, 47/14.

A SHOCK CONTROL DEVICE.

Applicant : SICCO ELECTRIC SHOCK CONTROL DEVICE PRIVATE LIMITED, OF 7-A, CHAKRABARIA ROAD NORTH, CALCUTTA-20, STATE OF WEST BENGAL, INDIA.

Inventor : ARULANANDASAMI JOSEPH STEPHEN.

Application No. 865/Cal/74 filed April 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An electric shock control device adapted to disconnect a load or loads from a three phase power source comprising a differential transformer having a winding for each of the phase lines, a single inductance coil of said transformer connected to an amplifier, said transformer having a neutral coil, an input circuit provided between said power source and amplifier, a contactor circuit connected to said transformer, a relay connected between said amplifier and contactor circuit, said relay having a normally closed contact, and such that upon a leakage occurring in any one load or all of said loads a signal is provided to said amplifier and whereby said contactor circuit is adapted to disconnect the load or loads from said differential transformer.

CLASS 9F & D. 141627.

Int. Cl-C22c 37/00, 39/20.

A PROCESS FOR THE MANUFACTURE OF IRON-BASE ALLOY SUITABLE FOR USE AT ELEVATED TEMPERATURES.

Applicant : JAMES FRENCH BALDWIN, OF 220 MACFARLANE, DELRAY BEACH, FLORIDA, 33444, UNITED STATES OF AMERICA.

Inventor : DOUGLAS HUGH MAXWELL.

Application No. 1492/Cal/74 filed July 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A process for the manufacture of iron-base alloy suitable for use at elevated temperatures by any method prevalent in the art providing a composition consisting essentially of the following elements in the weight percent ranges set forth :

Chromium	20% to 32%
Nickel	10% to 22%
Tungsten	2% to 20%
Carbon	0.1% to 0.8%
Boron	0.00% to 0.85%
Titanium	0.00% to 0.2%

the balance of the alloy being essentially iron and minor amounts of impurities and incidental elements which do not

detrimentally affect the basic characteristics of the alloy, said iron being present in an amount of at least about 35% by weight and the combined amount of carbon plus boron being within the range of about 0.2% to 1.05% by weight and obtaining an alloy therefrom.

CLASS 128F. 141628.

Int. Cl-A61b 17/34.

CANNULA ASSEMBLY AND A METHOD OF MAKING THE SAME.

Applicant : AVERETT MEDICAL PRODUCTS LIMITED, OF 2-10 COMMONSIDE EAST, MITCHAM, SURREY, CR4 1YN, ENGLAND.

Inventor : PETER STEER.

Application No. 1537/Cal/74 filed July 9, 1974.

Convention date July 20, 1973/(34720/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims.

A cannula assembly comprising a cannula for insertion in the tissues or a body cavity of a patient for the introduction or removal of fluid fitter with a laterally extending wing or pair or wings and, fixed to the wing or wings, a sheet of flexible material having an adhesive surface which is capable of folding over on itself in such a way as to bring part of the adhesive surface into contact with the wing or wings, leaving another part available for holding the assembly against the skin of a patient.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Pulling & Lifting Machines Private Limited to the grant of a patent on application No. 139975 made by Kanak Engineers Private Limited.

(2)

An Opposition has been entered by The Ahmedabad Manufacturing and Calico Printing Company Limited to the grant of a Patent on Application No. 140051 made by The Sarangpur Cotton Manufacturing Company Limited.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

113591 113637 113703 113780 113848 113861 113918 114101 114159 114209 114244 114292 114293 114344 114388 114390 114770 114952 114963 115023 115027 115065 115069 115111 115112 115139 115240 115257 115308 115342 115357 115376 115377 115576 115584 115681 115730 115731 115841 115933 116793 116880 117061 117258 117352 117506 117565 117873 118108 118124 118496 118783 118833 118896 119120 119289 119700 120843 121003 121540 122712

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PATENTS SEALED

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AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendment proposed by "Societe Sucriere De L'Atlantique (Engineering) Societe Anolyme', in respect of patent application No. 129481 and advertised in the Part III Section 2 of the Gazette of India dated the 9th October 1976 has been allowed.

(2)

In pursuance of an application under Section 44 of the Patents Act, 1970, Patent No. 137032 has been amended by substituting the nationality and address of the merging company into which the patentee company, viz., Maremont Corporation, an Illinois corporation, has been merged.

(3)

The amendment proposed by "Ekaterina Yokovlevna Pneva and Ors." In respect of patent application No. 139567 as advertised in Part III, Section 2 of the Gazette of India dated the 6th November 1976 have been allowed :—

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

132571. Adarsh Chemical and Fertilzers Ltd.

RENEWAL FEES PAID

79998 80485 80605 80978 81055 81064 81166 81177 81240 81241 81315 81352 81578 82235 82500 82836 82852 82964 83069 83319 83690 83691 85022 85475 86080 86113 86396 86793 86842 87048 87224 87231 87355 87363 87537 87548 87549 87550 88803 88957 89465 90071 91581 92551 92572 92608 92614 92704 93001 93092 93258 93350 93601 93614 93969 95178 96966 98045 98156 98254 98341 98383 98443 98489 98510 98515 98547 98548 98571 98661 98724 98811 98905 98962 99058 99178 99188 99246 99513 99958 100317 100415 100700 101656 103201 103305 103550 103937 103953 104159 104182 104184 104216 104274 104302 104338 104358 104425 104441 104461 104507 104532 104580 104616 104617 104636 104637 104669 104728 104739 104760 104794 104821 105045 105047 105048 105279 105280 105358 105655 105756 106859 108038 108196 108337 108589 108970 108976 109082 109094 109095 109173 109211 109212 19213 109214 109229 109279 109446 109464 109519 109612 109615 109634 109640 109733 109770 109833 109840 109844 109855 109896 109966 109971 109979 110014 110093 110233 110271 110477 110601 110636 111364 112402 112472 113744 113812 113824 113932 113945 113979 114169 114231 114277 114300 114341 114444

114526 114639 114644 114714 114756 114860 114873 114945
114947 114956 114957 115966 115974 115054 115062 115102
115105 115111 115112 115202 115361 115408 115503 115566
115571 115815 116016 116028 116359 116687 117690 118320
118359 118901 119516 119586 119596 119676 119677 119678
119691 119706 119782 119795 119852 119853 119930 119931
119958 120041 120052 120058 120124 120145 120158 120165
120205 120211 120216 120253 120300 120343 120360 120402
120474 120475 120499 120509 120512 120527 120536 120559
120926 121117 121473 122096 122097 122377 122550 122765
123089 123939 123940 123941 123942 123943 124077 123245
124523 124751 124758 125018 125092 125163 125179 125227
125228 125264 125282 125289 125293 125305 125356 125406
125553 125554 125555 125556 125655 125690 125699 125708
125709 125713 125721 125722 125733 125746 125749 125755
125816 125842 125843 125864 125869 125891 125892 12893
125928 125929 125930 125931 125951 125970 125990 126109
126110 126163 126186 126202 126267 126297 126323 126503
126699 126708 126735 126809 128774 128824 129499 129731
129824 129887 129970 130123 130124 130178 130238 130254
130319 130320 130324 130328 130333 130349 130383 130397
130416 130440 130505 130525 130529 130554 130557 130565
130574 130586 130587 130602 130613 130624 130628 130633
130635 130674 130703 130720 130743 130765 130781 130853
131026 131046 131084 131146 131174 131435 131436 131452
131576 131586 131660 131795 131959 132337 132371 132693
133048 133049 133788 134017 130019 134032 134126 134160
134368 134437 134546 134557 134566 134574 134587 134641
134662 134667 134718 134760 134773 134788 134800 134881
134827 134828 134840 134871 134879 134889 13890 134929
134957 135018 135033 135042 135104 135135 135160 135232
135239 135267 135386 135437 135602 135647 135954 136069
136106 136178 136472 136601 136741 136758 136849 136902
136979 137031 137613 138002 130085 138198 138200 138229
138236 138261 138275 138295 138305 138310 138312 138348
138349 138358 138363 138368 138372 138376 138415 138482
138485 138491 138500 138533 138536 138542 148552 138553
138564 138571 138579 138601 138623 138633 138654 138676
138678 138690 138693 138702 138729 138758 138775 138795
138801 138819 138833 138858 138871 138876 138890 138911
138955 138961 138978 138971 138983 138993 138994 139009
139011 139013 139051 139056 139069 139072 139110 139117
139199 139690 139859

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of design included in the entry.

Class 1. No. 144400. Shankar Daji Kulkarni, S. Daji Bldg., Narayan Peth, Ichalkaranji. (Dist. Kolhapur), Maharashtra State, India, A subject of the Republic of India. "A piston head". June 14, 1976.

Class 1. No. 144421. Jyoti Limited, a Company incorporated under the provisions of Indian Companies Act, of Industrial area, P.O. Chemical Industries Baroda-390 003, State of Gujarat, India. "Threshing machine". June 22, 1976.

Class 1. No. 144530. M. R. & Sons, 2457, Katra Rajji, Behind G. B. Road, Delhi-110006, an Indian Partnership Concern, Indian Nationals. "Cigarette lighter". July 15, 1976.

Class 1. No. 144691. Mohisbhai Hatimbhai Shaikh, an Indian National, 190, Kader Building, 1st Floor, Room No. 25, Baptis Road, Bombay-40008, Maharashtra, India. "Eyelet". Septemer 2, 1976.

Class 1. No. 144796. Philips India Limited, of Shivsagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "A street lighting luminaire", October 12, 1976.

Class 1. No. 144797. Philips India Limited, of Shivsagar Estate Block "A", Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "A lamp". October 12, 1976.

Class 1. No. 144832. Rajinderkumar Misra, Indian National, trading as Schore Trading Corporation, at Sehore, State of Madhya Pradesh, India. "A fuel automiser". October 20, 1976.

Class 1. No. 144833. Ramesh Seth, Indian National, trading as International Industries, at 10, Bombay Timber Market, Signal Hill Avenue, Reay Road, Bombay-400 010, State of Maharashtra, India. "A sterilizer". October 20, 1976.

Class 3. No. 144432. Fiamm Electronics, 1013-A, Benham Hall Lane, Bombay-400 004, Maharashtra State, an Indian Proprietory firm. "A electromagnetic horn for automobiles". June 23, 1976.

Class 3. Nos. 144542 to 144544. Ferrodie Limited, an Indian Company incorporated under the Indian Companies Act, 1956, at Roxy Chambers, New Queen's Road, Bombay-400 004, Maharashtra, India. "Toy". July 23, 1976.

Class 3. No. 144643. Bal Kishan Kejriwal, of Regent House, 12, Government Place, East, Calcutta-700069, West Bengal, India, Indian Nationality. 'A pencil sharpener." August 16, 1976.

Class 3. No. 144731. Vasant Shridhar Vaidya, M. S. (Akron), Managing Director, Swastik Rubber Products Limited, 'Swastik House', Kirkee, Poona-411 003, Maharashtra State, India. A subject of the Republic of India. "The helmet". September 13, 1976.

Class 3. No. 144848. Satish Chandra Sharma, an Indian National, of 111-B, Hind Saurashtra Industrial Estate, Near Marol Naka, Kurla-Andheri Road, Bomay-400 059, State of Maharashtra, India. "A dirt Eliminator". October 28, 1976.

Class 3. No. 144954. Anant Vishwanath Bedekar, Indian National of 225 Lady Jamshedji Road, Mahim, Bombay-400 016, State of Maharashtra, India. "A non-toxic intra-venous container". November 25, 1976.

Class 4. No. 144452. Impala Distillery, Orlim, Salcete, Goa, A union territory, India, an Indian Proprietory firm. "Bottle". July 2, 1976.

Class 10. No. 144702. Super Polyplast Private Limited. Indian Company, 26/109B, Pheel Khana, Kanpur-1, U.P. India, "Footwear". September 4, 1976.

S. VEDARAMAN,
Controller-General of Patents, Designs and Trade Marks.

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1977